

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111722\
 Data File : VU051884.D
 Acq On : 17 Nov 2022 09:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050123

Quant Time: Nov 18 00:51:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 17 01:20:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	488432	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	491541	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	257976	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	99734	41.593	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.180%
7) Chloroethane-d5	1.896	69	100190	41.703	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.565	63	189670	44.110	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.220%
21) 2-Butanone-d5	4.617	46	247934	90.930	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.930%
24) Chloroform-d	5.060	84	273973	45.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.160%
26) 1,2-Dichloroethane-d4	5.700	65	164314	44.656	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.320%
32) Benzene-d6	5.726	84	474009	46.250	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.500%
36) 1,2-Dichloropropane-d6	6.690	67	176698	46.318	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.640%
41) Toluene-d8	7.896	98	408317	48.538	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.080%
43) trans-1,3-Dichloroprop...	8.176	79	73180	48.160	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.320%
47) 2-Hexanone-d5	8.633	63	190802	98.411	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.410%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	356086	47.959	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.920%
66) 1,2-Dichlorobenzene-d4	12.192	152	213062	46.931	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	137739	45.933	ug/L	99
3) Chloromethane	1.523	50	180089	45.223	ug/L	99
5) Vinyl chloride	1.604	62	190303	46.071	ug/L	98
6) Bromomethane	1.832	94	91008	50.855	ug/L	98
8) Chloroethane	1.919	64	124991	46.542	ug/L	99
9) Trichlorofluoromethane	2.131	101	237853	48.096	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	150436	48.268	ug/L	99
12) 1,1-Dichloroethene	2.575	96	141597	48.646	ug/L	94
13) Acetone	2.620	43	330937	113.443	ug/L	99
14) Carbon disulfide	2.790	76	386063	47.874	ug/L	99
15) Methyl Acetate	2.941	43	184019	46.270	ug/L	99
16) Methylene chloride	3.041	84	192980	41.530	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	149793	47.753	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	472385	48.656	ug/L	99
19) 1,1-Dichloroethane	3.864	63	305557	47.861	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	179467	49.023	ug/L	98
22) 2-Butanone	4.697	43	357395	108.479	ug/L	99
23) Bromochloromethane	4.970	128	100504	49.749	ug/L	97
25) Chloroform	5.086	83	324636	48.733	ug/L	99

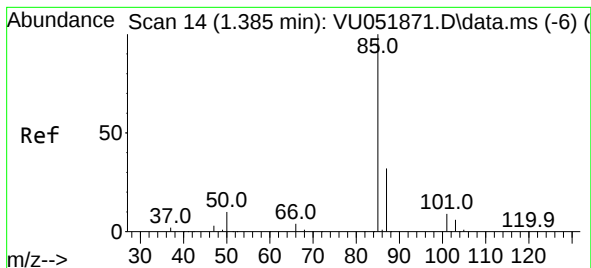
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111722\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	237131	48.172	ug/L	100
29) Cyclohexane	5.385	56	210049	50.086	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	245679	49.436	ug/L	99
31) Carbon tetrachloride	5.523	117	209462	50.416	ug/L	98
33) Benzene	5.771	78	712118	50.365	ug/L	100
34) Trichloroethene	6.539	95	161222	48.130	ug/L	97
35) Methylcyclohexane	6.761	83	235236	51.791	ug/L	99
37) 1,2-Dichloropropane	6.790	63	196225	49.011	ug/L	99
38) Bromodichloromethane	7.105	83	256292	51.165	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	261465	49.924	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	527845	100.116	ug/L	99
42) Toluene	7.967	91	770201	52.960	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	262320	52.271	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	200113	49.185	ug/L	98
46) Tetrachloroethene	8.552	164	128485	48.029	ug/L	98
48) 2-Hexanone	8.684	43	502033	110.869	ug/L	98
49) Dibromochloromethane	8.809	129	220486	52.559	ug/L	100
50) 1,2-Dibromoethane	8.922	107	203969	49.800	ug/L	98
51) Chlorobenzene	9.446	112	496924	50.005	ug/L	99
52) Ethylbenzene	9.568	91	772144	51.880	ug/L	99
53) m,p-Xylene	9.694	106	316338	54.910	ug/L	98
54) o-Xylene	10.099	106	315602	53.824	ug/L	100
55) Styrene	10.115	104	567736	56.115	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	384966	50.072	ug/L	99
59) Bromoform	10.288	173	179524	51.326	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	291100	47.172	ug/L	99
61) Isopropylbenzene	10.481	105	779131	51.675	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	646827	52.648	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	655214	54.586	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	389278	50.941	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	393292	50.821	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	405473	49.898	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	75783	47.965	ug/L	91
69) 1,3,5-Trichlorobenzene	13.218	180	261997	51.677	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	202014	50.270	ug/L	98
71) Naphthalene	14.086	128	682303	51.626	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	229212	52.113	ug/L	100

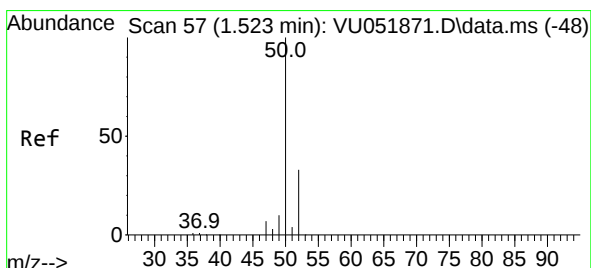
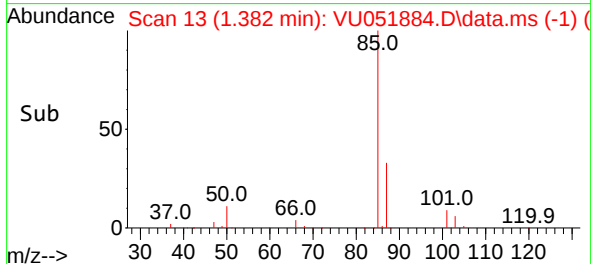
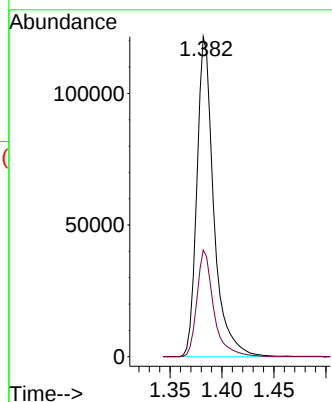
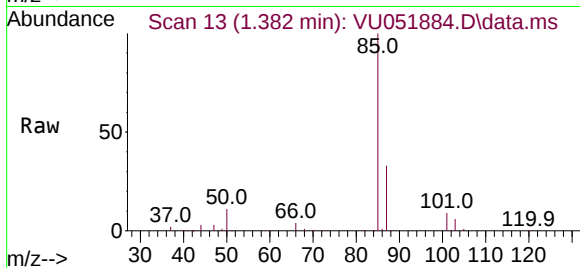
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 45.933 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

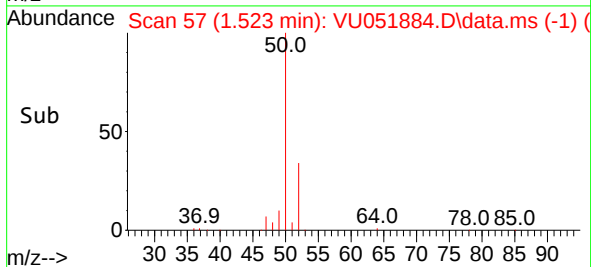
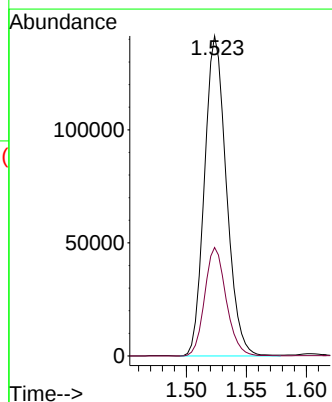
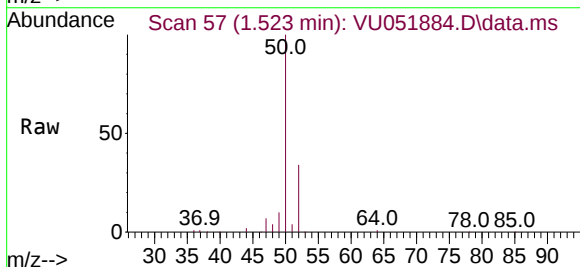
Instrument :
MSVOA_U
ClientSampleId :
VSTD050123

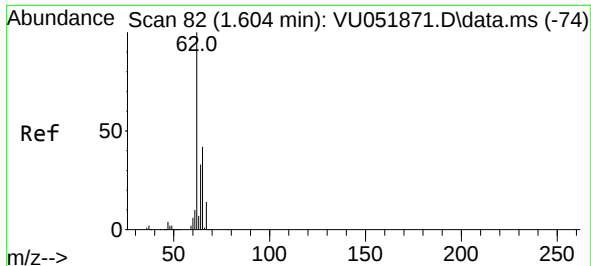
Tgt Ion: 85 Resp: 137739
Ion Ratio Lower Upper
85 100
87 33.0 26.0 39.0



#3
Chloromethane
Concen: 45.223 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Tgt Ion: 50 Resp: 180089
Ion Ratio Lower Upper
50 100
52 33.9 23.4 43.6

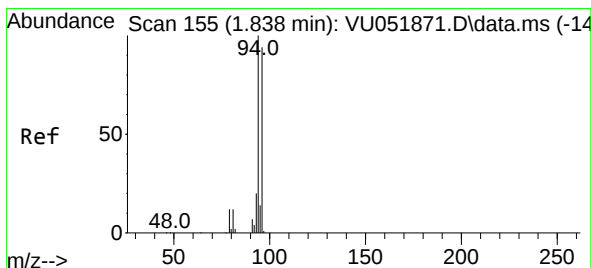
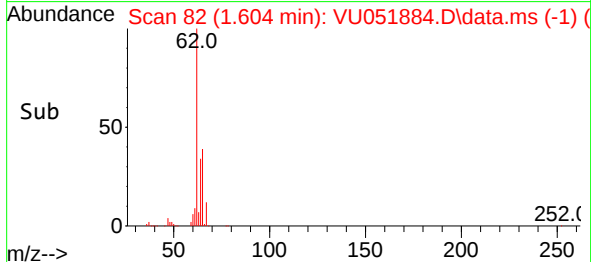
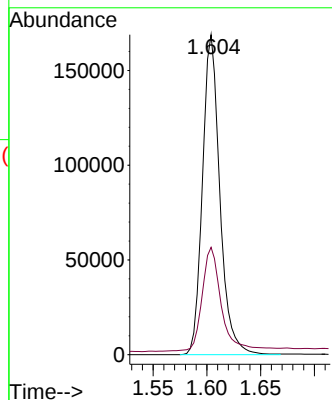
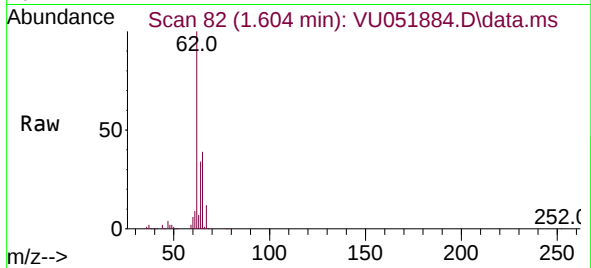




#5
 Vinyl chloride
 Concen: 46.071 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051884.D
 Acq: 17 Nov 2022 09:55

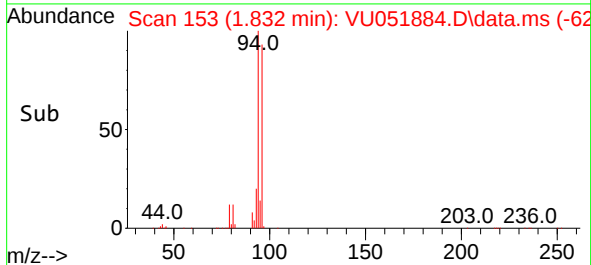
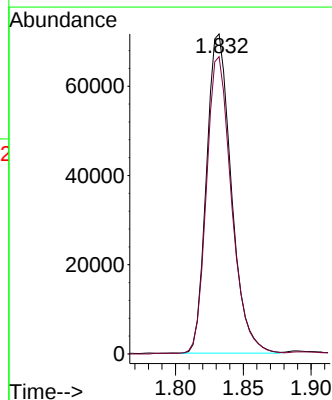
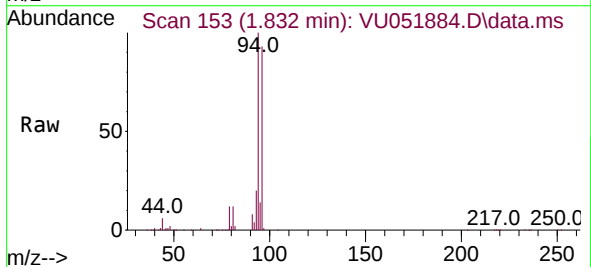
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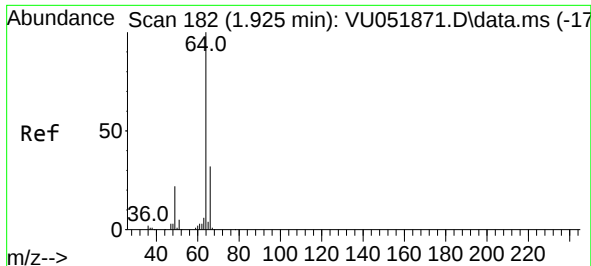
Tgt Ion: 62 Resp: 190303
 Ion Ratio Lower Upper
 62 100
 64 33.6 24.3 45.1



#6
 Bromomethane
 Concen: 50.855 ug/L
 RT: 1.832 min Scan# 153
 Delta R.T. -0.006 min
 Lab File: VU051884.D
 Acq: 17 Nov 2022 09:55

Tgt Ion: 94 Resp: 91008
 Ion Ratio Lower Upper
 94 100
 96 92.9 66.1 122.7

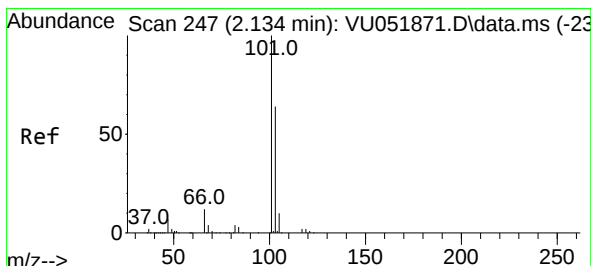
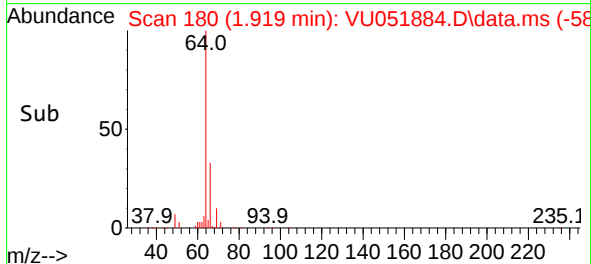
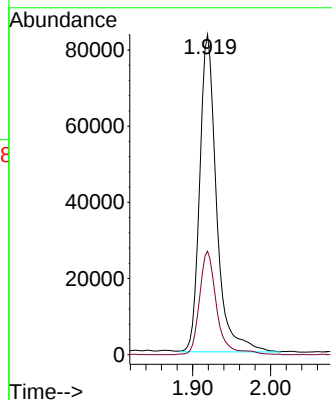
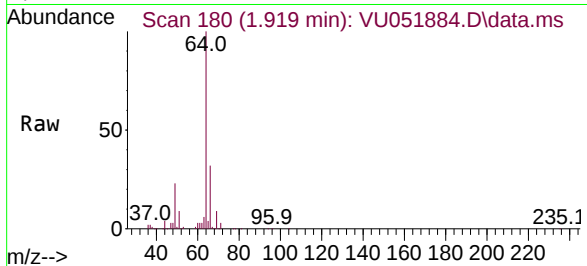




#8
Chloroethane
Concen: 46.542 ug/L
RT: 1.919 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

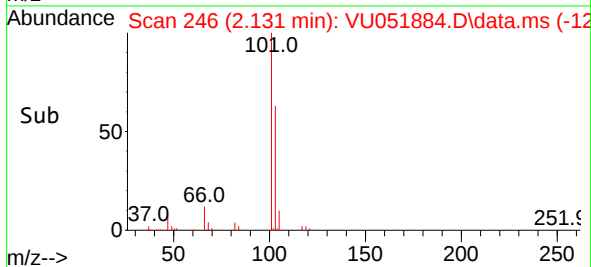
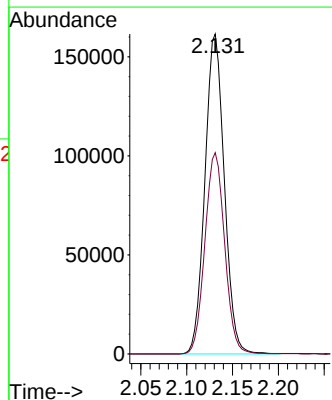
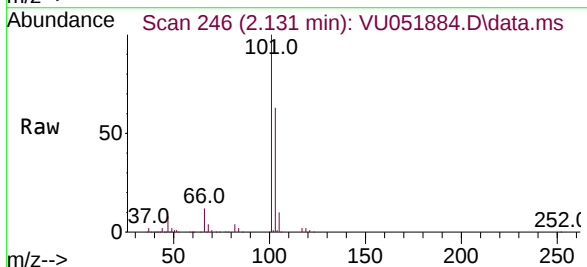
Instrument :
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ClientSampleId :
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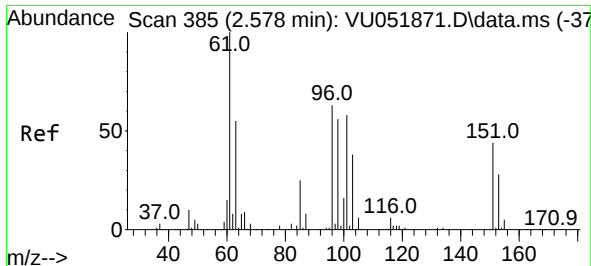
Tgt Ion: 64 Resp: 124991
Ion Ratio Lower Upper
64 100
66 32.4 22.4 41.6



#9
Trichlorofluoromethane
Concen: 48.096 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.003 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Tgt Ion: 101 Resp: 237853
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.2

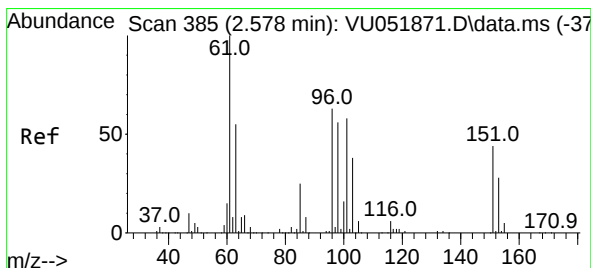
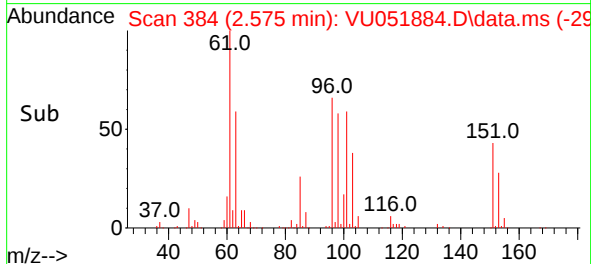
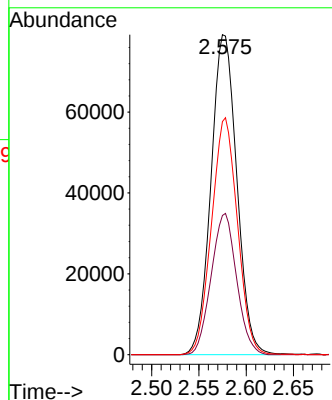
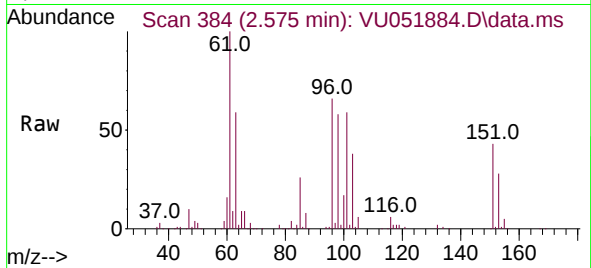




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.268 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU051884.D
 Acq: 17 Nov 2022 09:55

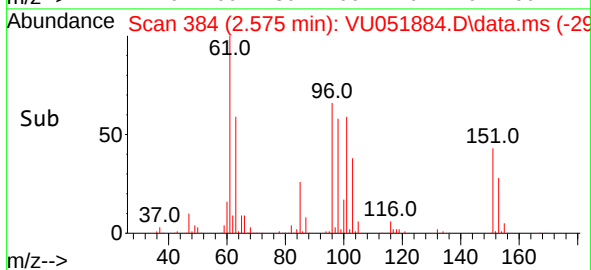
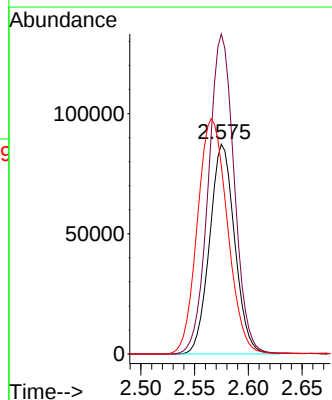
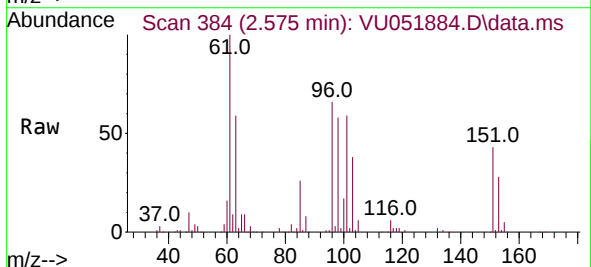
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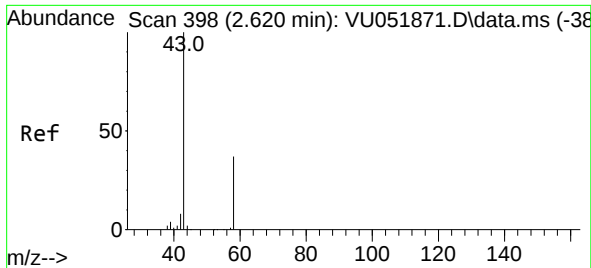
Tgt Ion:101 Resp: 150436
 Ion Ratio Lower Upper
 101 100
 85 43.4 34.2 51.2
 151 74.3 58.3 87.5



#12
 1,1-Dichloroethene
 Concen: 48.646 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU051884.D
 Acq: 17 Nov 2022 09:55

Tgt Ion: 96 Resp: 141597
 Ion Ratio Lower Upper
 96 100
 61 152.6 110.7 205.5
 63 89.8 68.6 127.4





#13

Acetone

Concen: 113.443 ug/L

RT: 2.620 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

Instrument :

MSVOA_U

ClientSampleId :

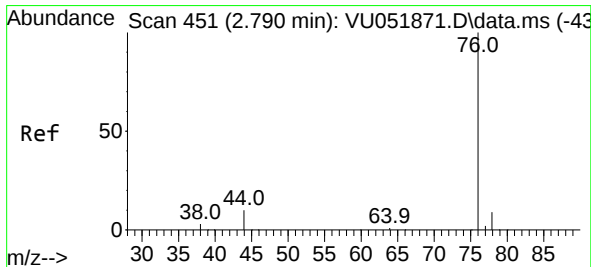
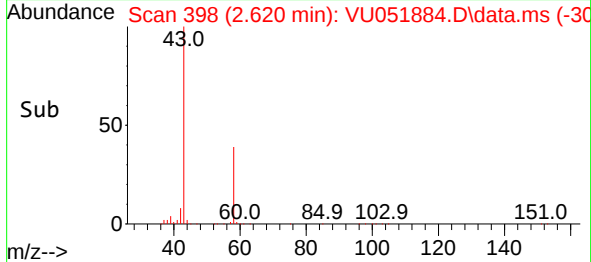
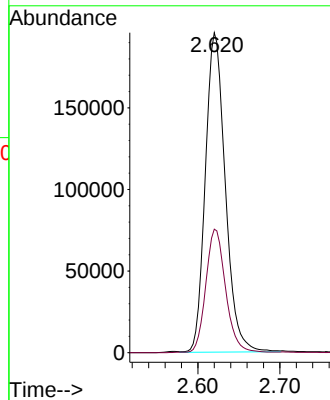
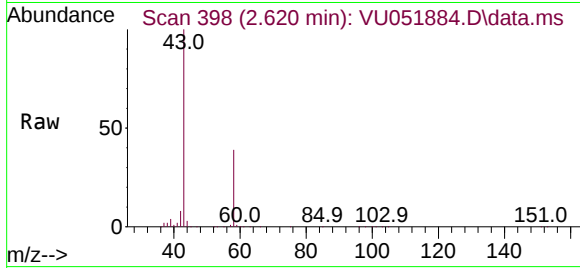
VSTD050123

Tgt Ion: 43 Resp: 330937

Ion Ratio Lower Upper

43 100

58 38.3 0.0 75.4



#14

Carbon disulfide

Concen: 47.874 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051884.D

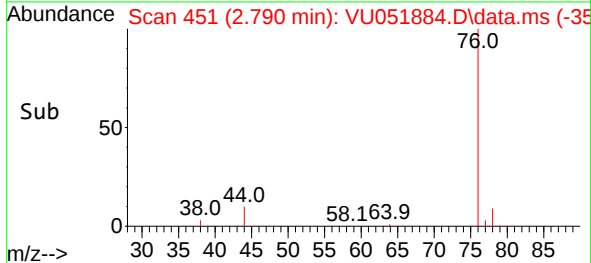
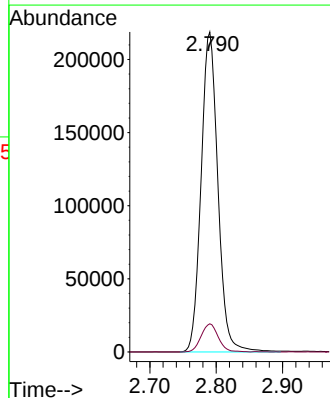
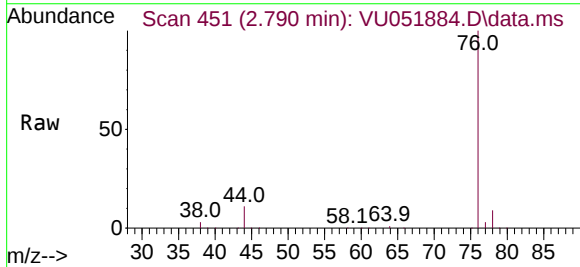
Acq: 17 Nov 2022 09:55

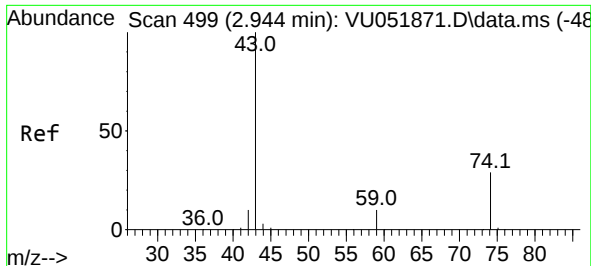
Tgt Ion: 76 Resp: 386063

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

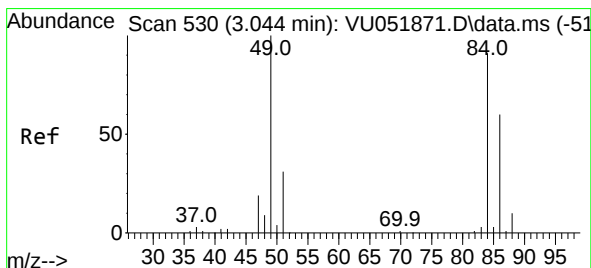
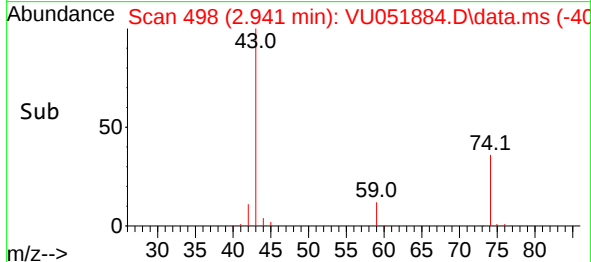
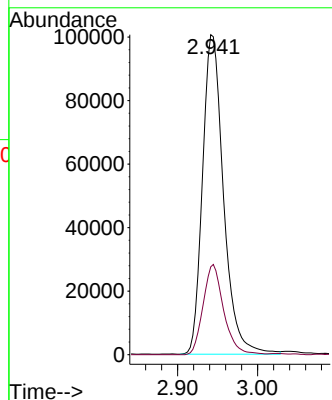
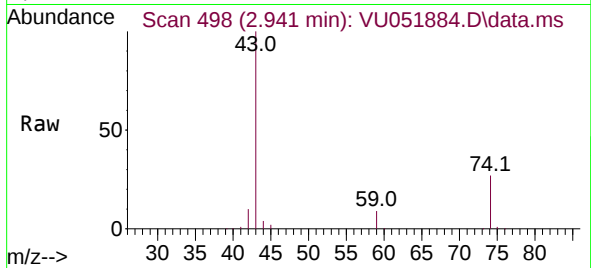




#15
Methyl Acetate
Concen: 46.270 ug/L
RT: 2.941 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

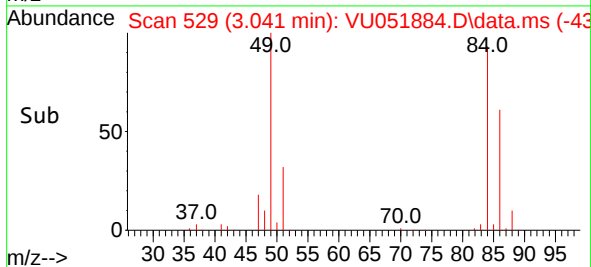
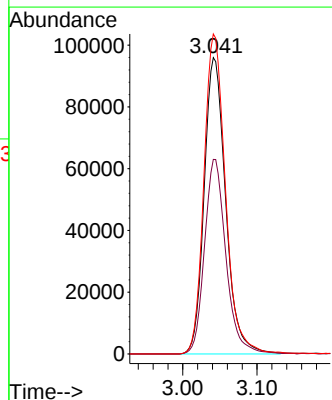
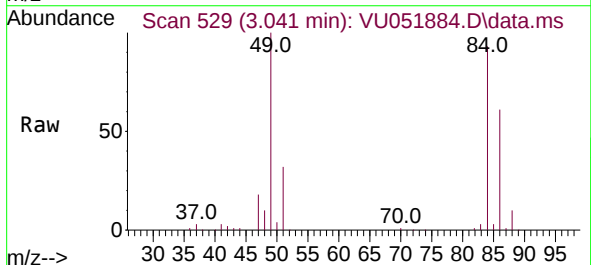
Instrument :
MSVOA_U
ClientSampleId :
VSTD050123

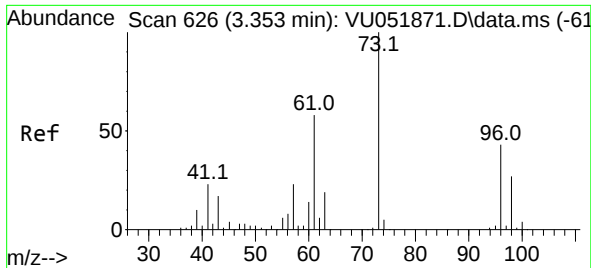
Tgt Ion: 43 Resp: 184019
Ion Ratio Lower Upper
43 100
74 27.6 21.8 32.8



#16
Methylene chloride
Concen: 41.530 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Tgt Ion: 84 Resp: 192980
Ion Ratio Lower Upper
84 100
86 65.7 44.7 82.9
49 108.0 76.5 142.1

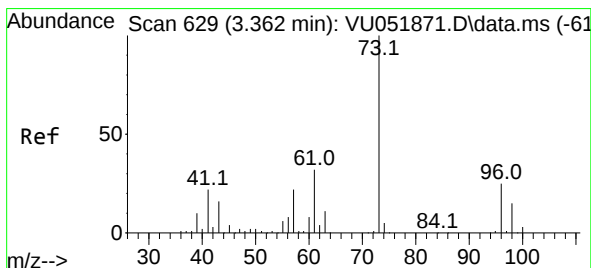
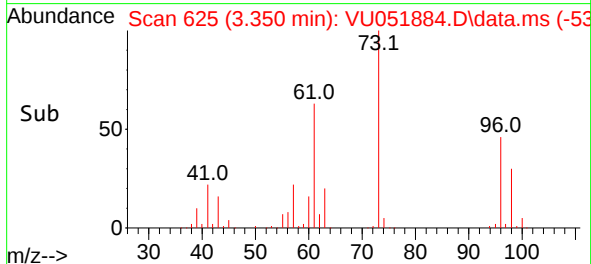
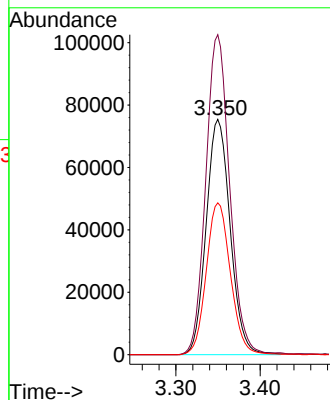
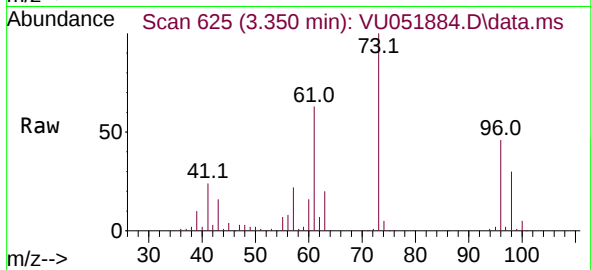




#17
trans-1,2-Dichloroethene
Concen: 47.753 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

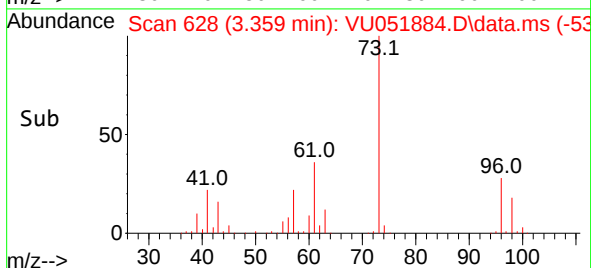
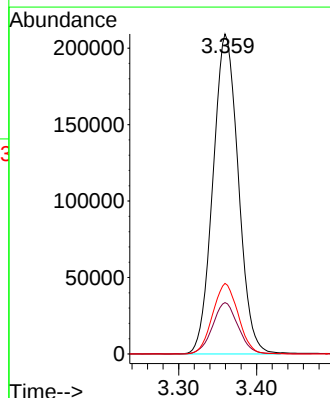
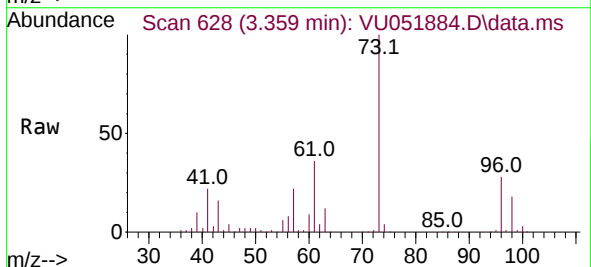
Instrument :
MSVOA_U
ClientSampleId :
VSTD050123

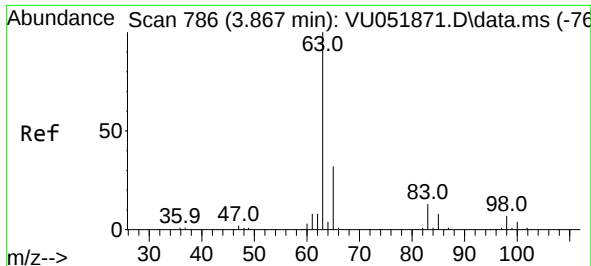
Tgt Ion: 96 Resp: 149793
Ion Ratio Lower Upper
96 100
61 136.0 98.3 182.7
98 64.5 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 48.656 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Tgt Ion: 73 Resp: 472385
Ion Ratio Lower Upper
73 100
43 16.1 13.4 20.0
57 22.3 17.7 26.5





#19

1,1-Dichloroethane

Concen: 47.861 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050123

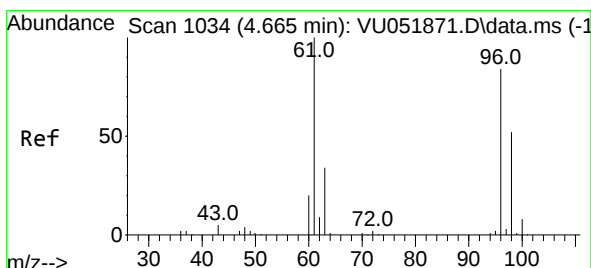
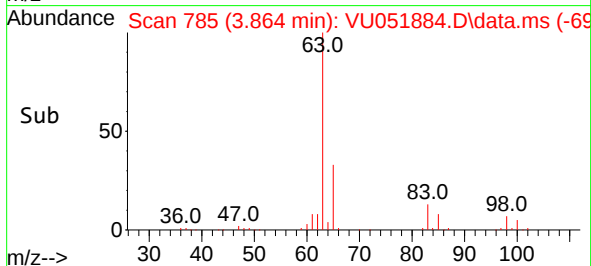
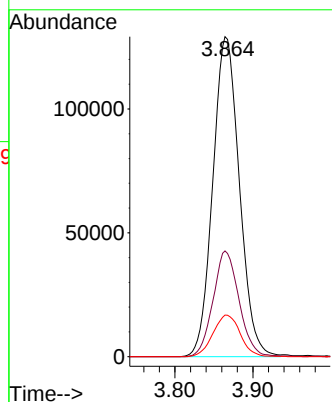
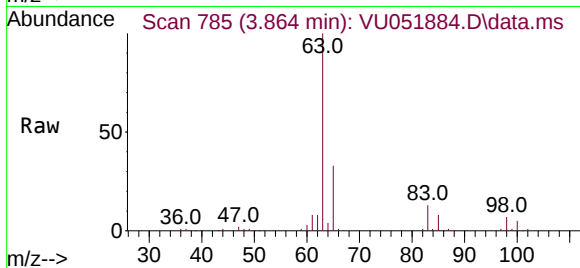
Tgt Ion: 63 Resp: 305557

Ion Ratio Lower Upper

63 100

65 33.1 22.2 41.2

83 13.0 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 49.023 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

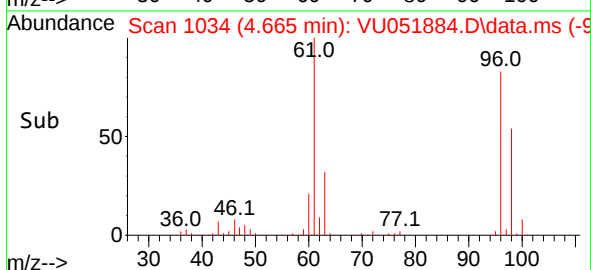
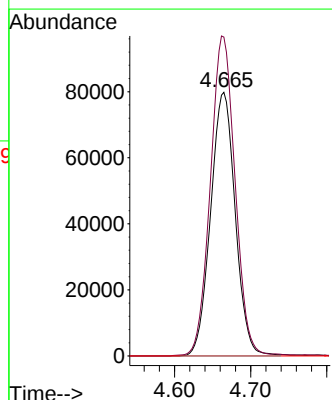
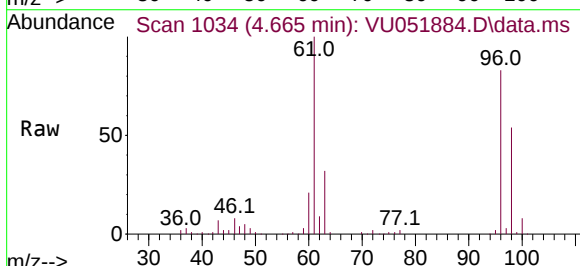
Tgt Ion: 96 Resp: 179467

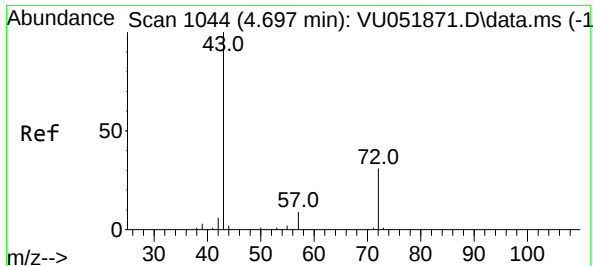
Ion Ratio Lower Upper

96 100

61 121.0 86.0 159.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 108.479 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

Instrument :

MSVOA_U

ClientSampleId :

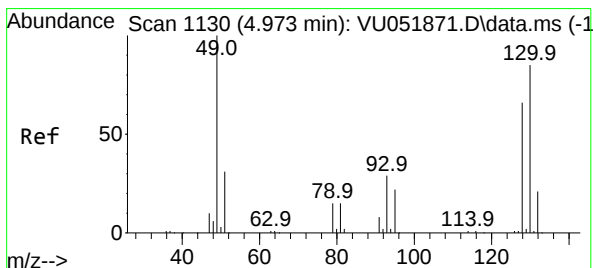
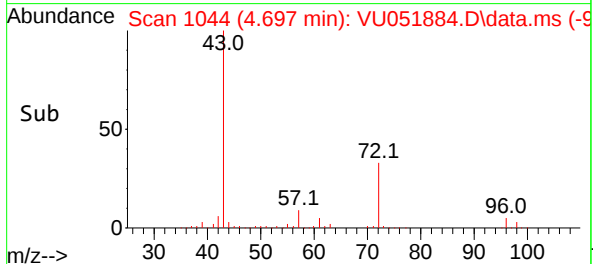
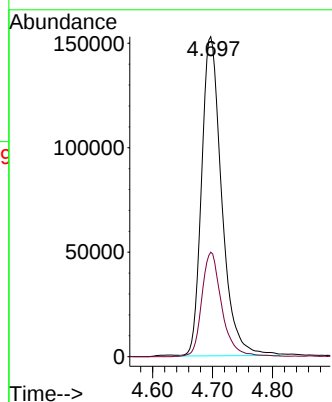
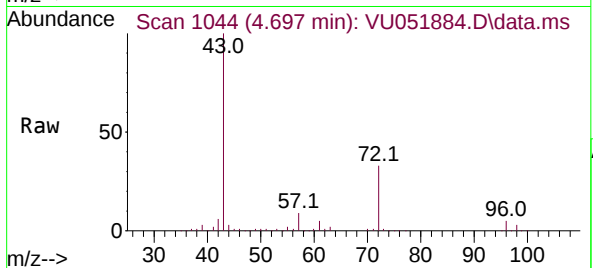
VSTD050123

Tgt Ion: 43 Resp: 357395

Ion Ratio Lower Upper

43 100

72 32.0 15.7 47.1



#23

Bromochloromethane

Concen: 49.749 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

Tgt Ion: 128 Resp: 100504

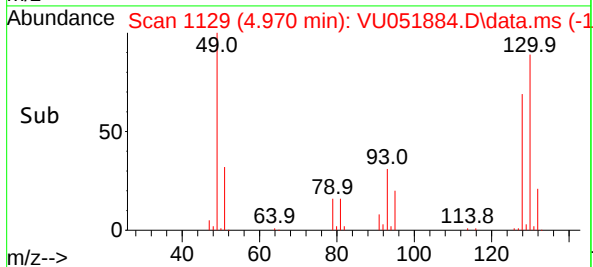
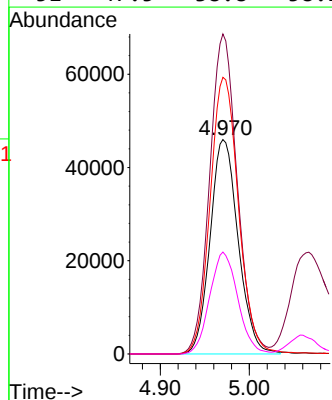
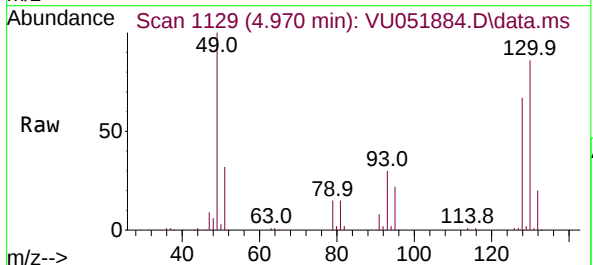
Ion Ratio Lower Upper

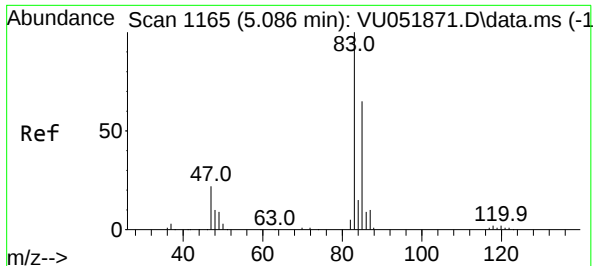
128 100

49 149.2 107.2 199.0

130 129.0 92.5 171.7

51 47.5 38.8 58.2





#25

Chloroform

Concen: 48.733 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

Instrument :

MSVOA_U

ClientSampleId :

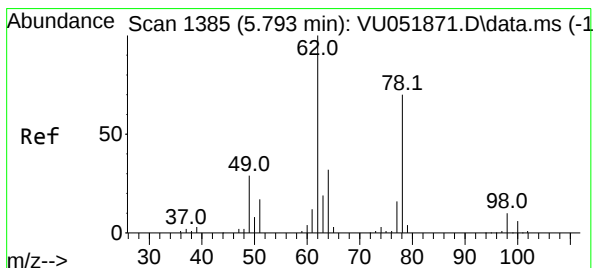
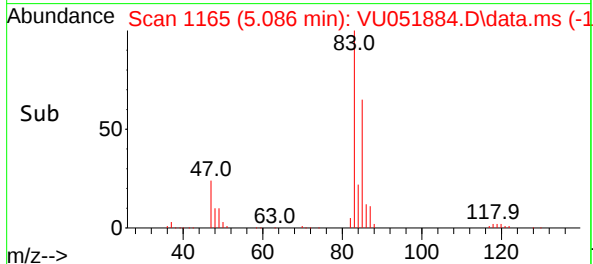
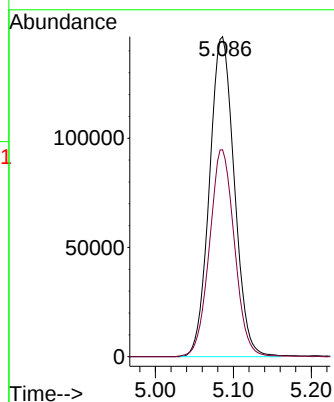
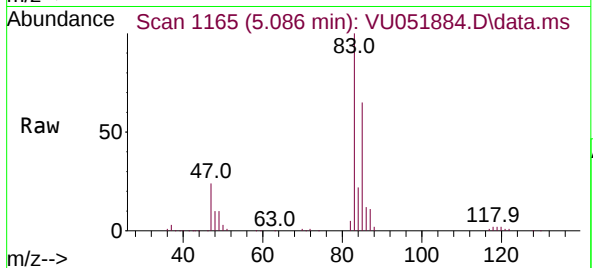
VSTD050123

Tgt Ion: 83 Resp: 324636

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.8



#27

1,2-Dichloroethane

Concen: 48.172 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU051884.D

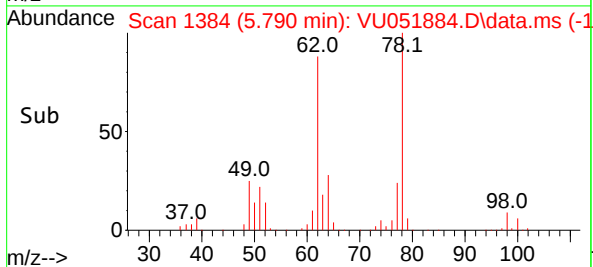
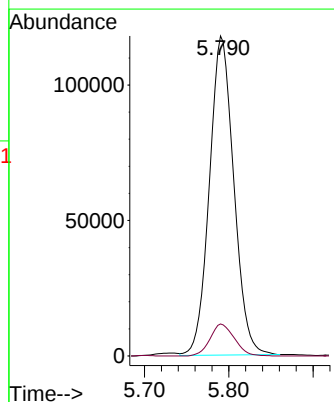
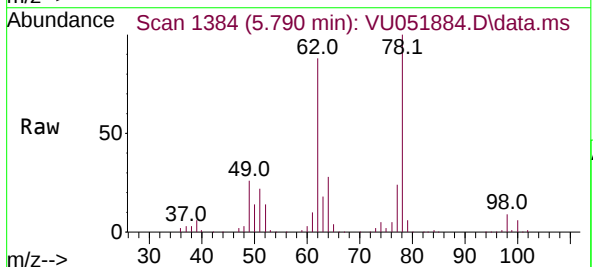
Acq: 17 Nov 2022 09:55

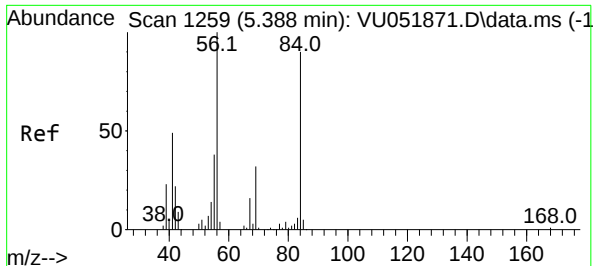
Tgt Ion: 62 Resp: 237131

Ion Ratio Lower Upper

62 100

98 10.0 8.1 12.1





#29

Cyclohexane

Concen: 50.086 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050123

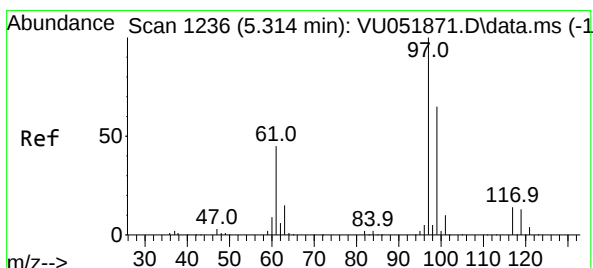
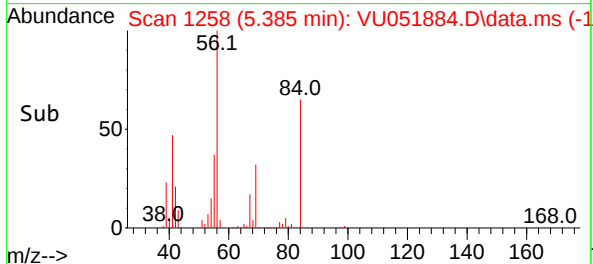
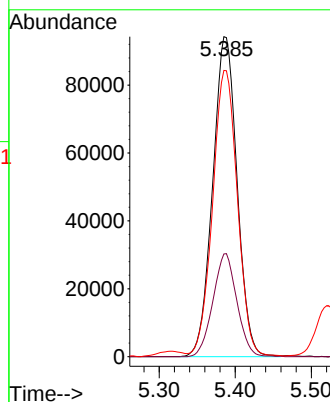
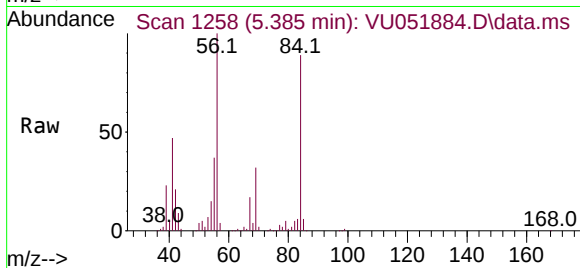
Tgt Ion: 56 Resp: 210049

Ion Ratio Lower Upper

56 100

69 31.5 25.4 38.2

84 89.8 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 49.436 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

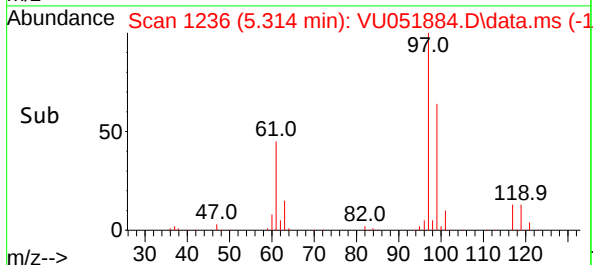
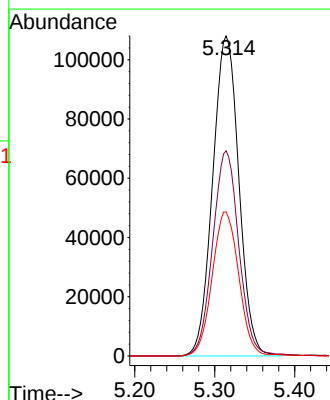
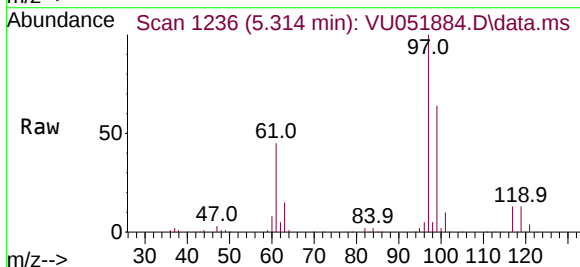
Tgt Ion: 97 Resp: 245679

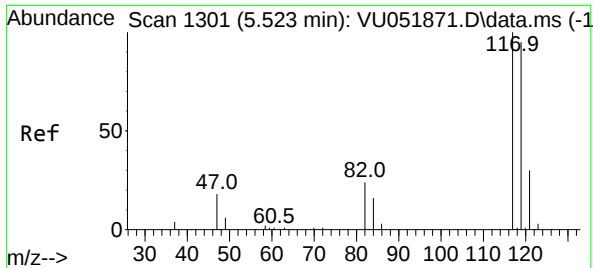
Ion Ratio Lower Upper

97 100

99 63.9 51.2 76.8

61 45.6 37.4 56.2

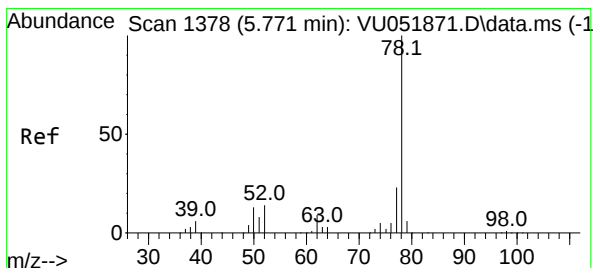
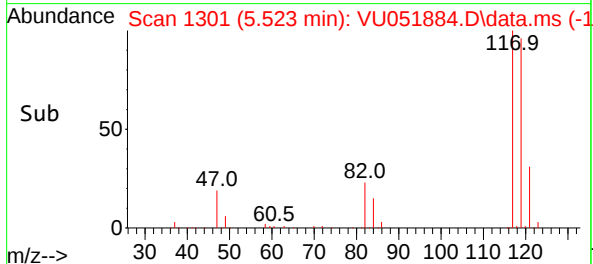
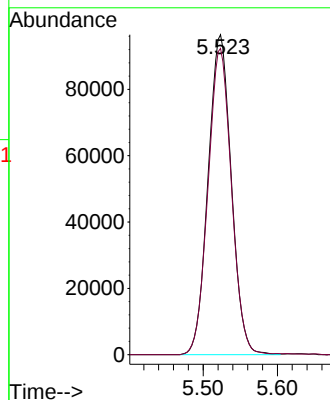
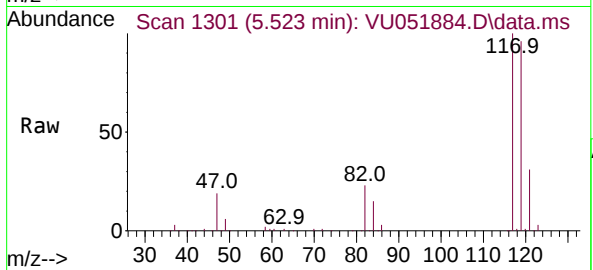




#31
Carbon tetrachloride
Concen: 50.416 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

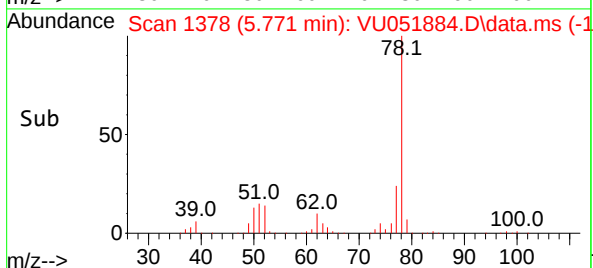
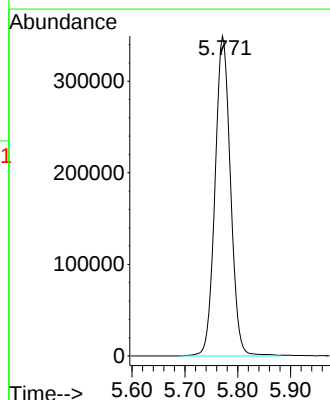
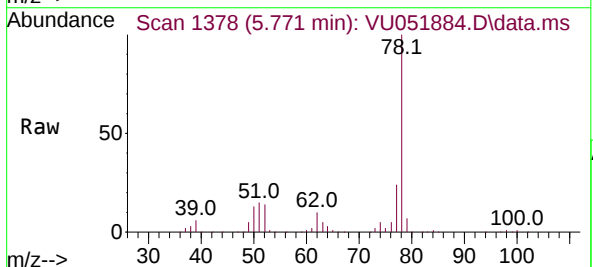
Instrument :
MSVOA_U
ClientSampleId :
VSTD050123

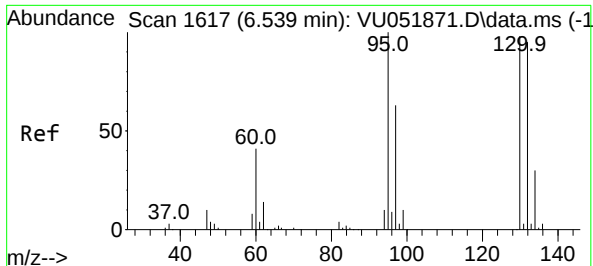
Tgt Ion:117 Resp: 209462
Ion Ratio Lower Upper
117 100
119 96.5 75.6 113.4



#33
Benzene
Concen: 50.365 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Tgt Ion: 78 Resp: 712118





#34

Trichloroethene

Concen: 48.130 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050123

Tgt Ion: 95 Resp: 161222

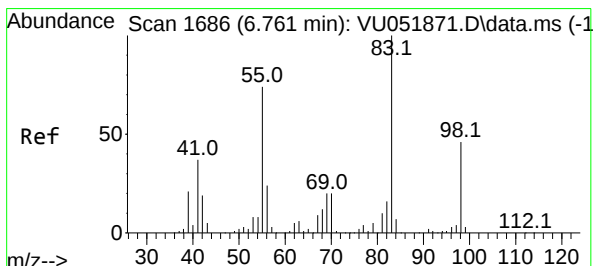
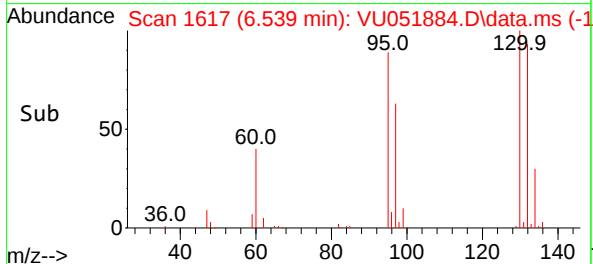
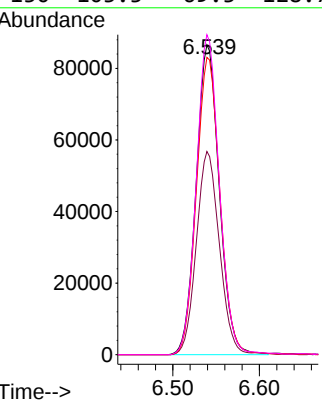
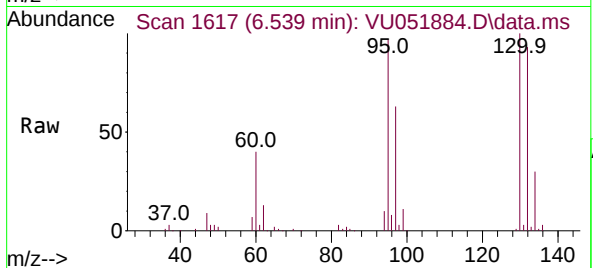
Ion Ratio Lower Upper

95 100

97 65.6 45.8 85.0

132 96.0 65.3 121.3

130 103.3 69.3 128.7



#35

Methylcyclohexane

Concen: 51.791 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

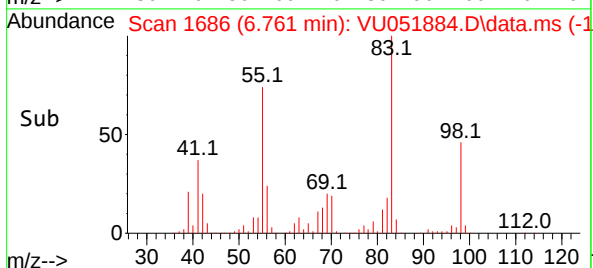
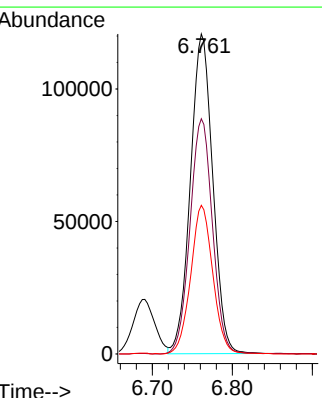
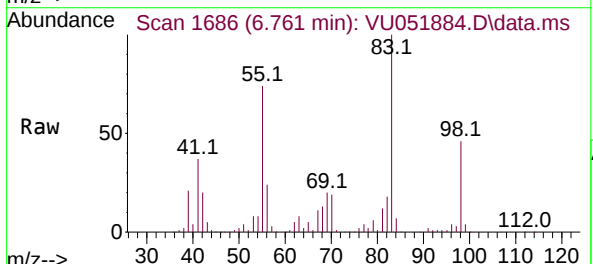
Tgt Ion: 83 Resp: 235236

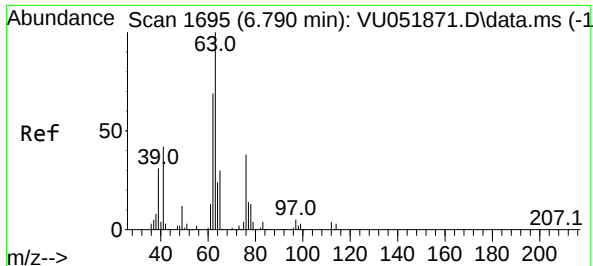
Ion Ratio Lower Upper

83 100

55 73.9 60.0 90.0

98 45.9 35.8 53.8





#37

1,2-Dichloropropane

Concen: 49.011 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

Instrument :

MSVOA_U

ClientSampleId :

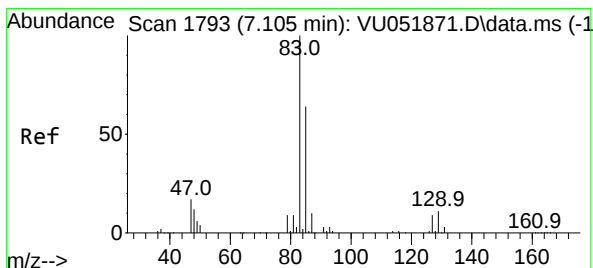
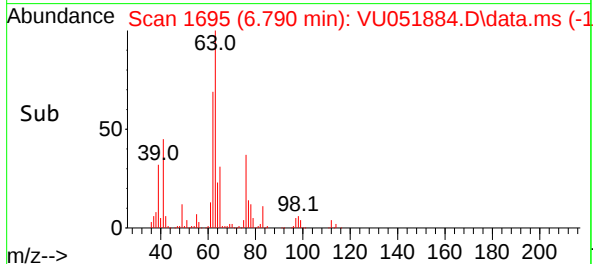
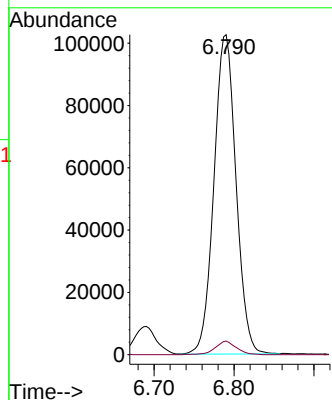
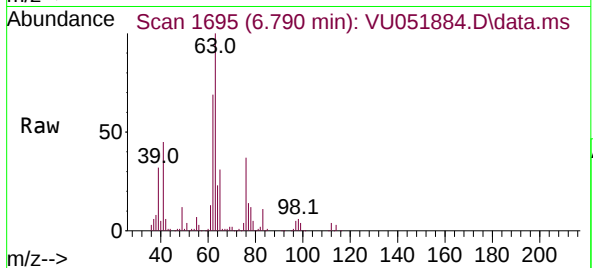
VSTD050123

Tgt Ion: 63 Resp: 196225

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.6



#38

Bromodichloromethane

Concen: 51.165 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

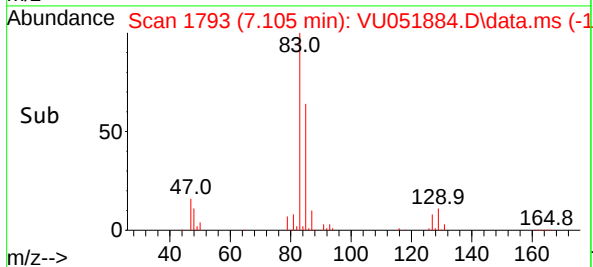
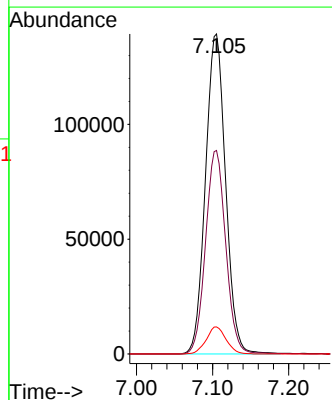
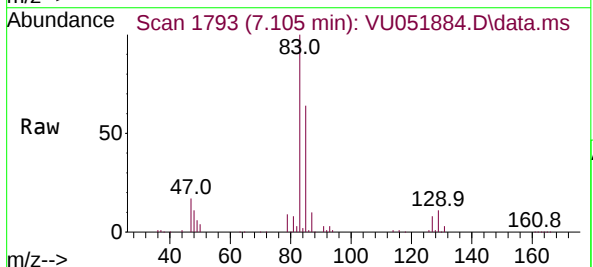
Tgt Ion: 83 Resp: 256292

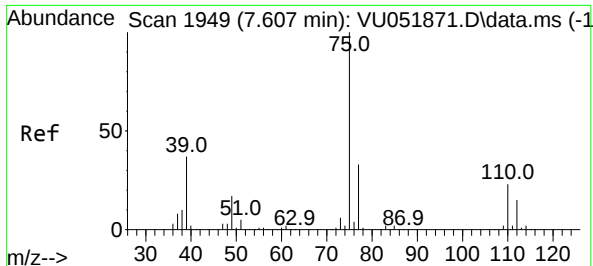
Ion Ratio Lower Upper

83 100

85 63.6 44.6 82.8

127 8.4 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 49.924 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

Instrument :

MSVOA_U

ClientSampleId :

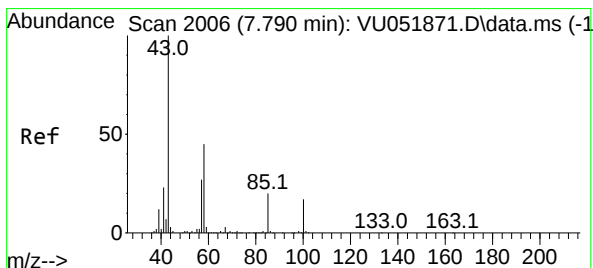
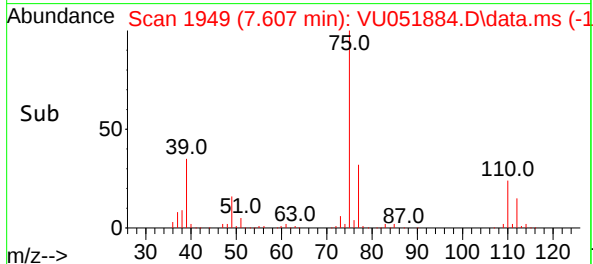
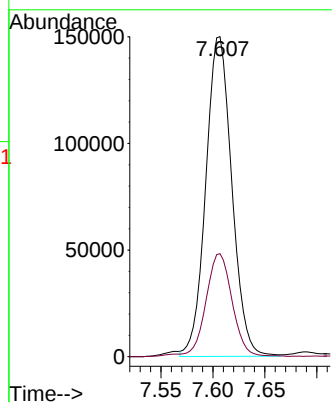
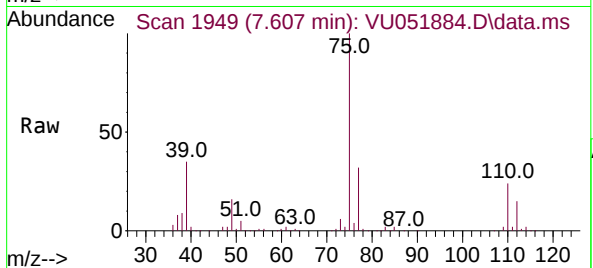
VSTD050123

Tgt Ion: 75 Resp: 261465

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 100.116 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

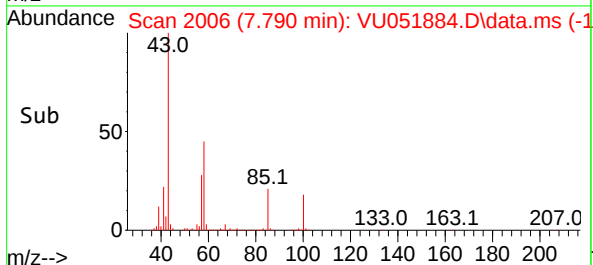
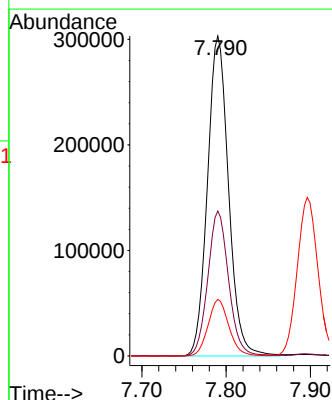
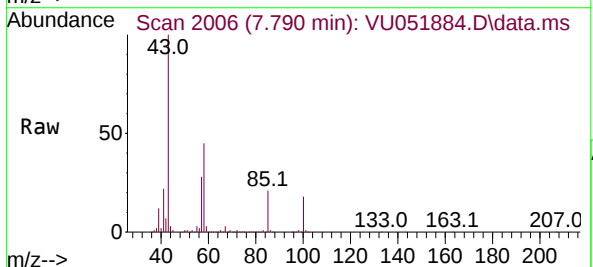
Tgt Ion: 43 Resp: 527845

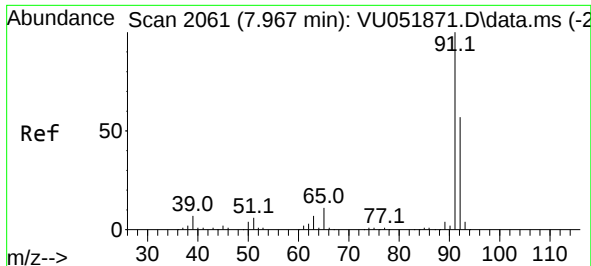
Ion Ratio Lower Upper

43 100

58 44.7 35.4 53.2

100 17.4 13.4 20.0





#42

Toluene

Concen: 52.960 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

Instrument :

MSVOA_U

ClientSampleId :

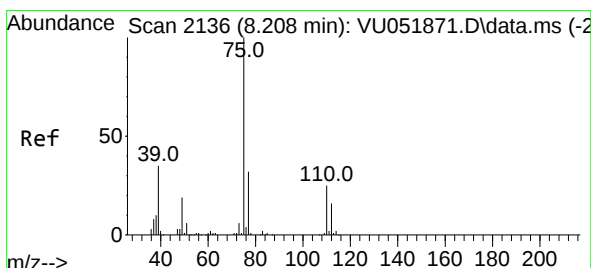
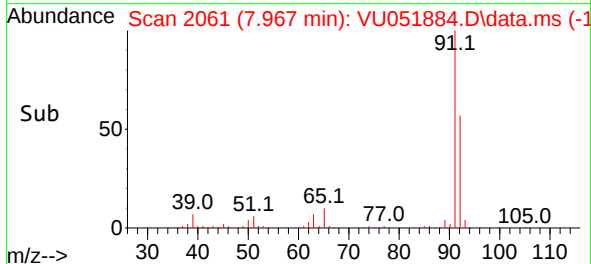
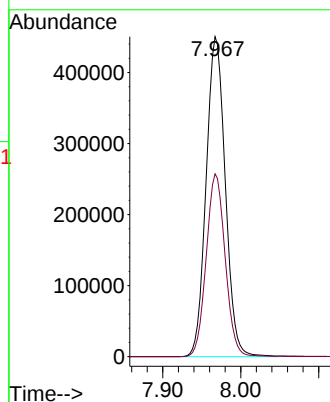
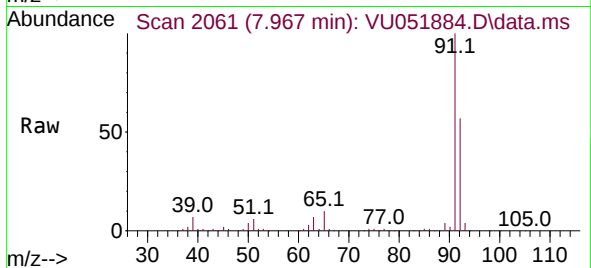
VSTD050123

Tgt Ion: 91 Resp: 770201

Ion Ratio Lower Upper

91 100

92 57.2 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 52.271 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051884.D

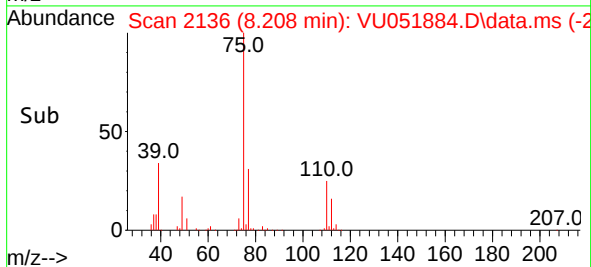
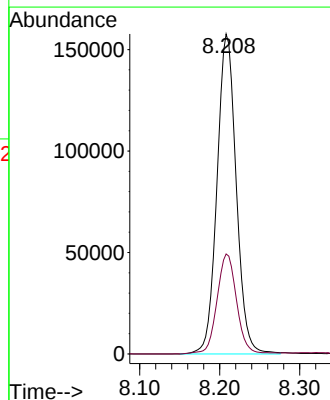
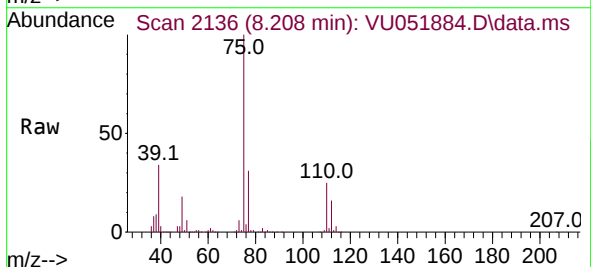
Acq: 17 Nov 2022 09:55

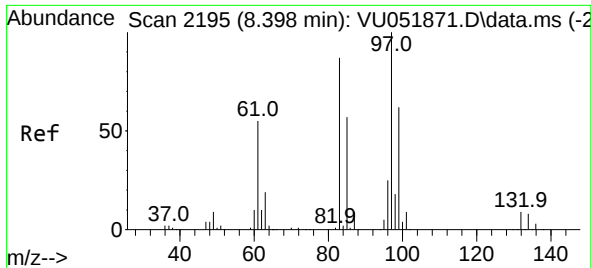
Tgt Ion: 75 Resp: 262320

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6



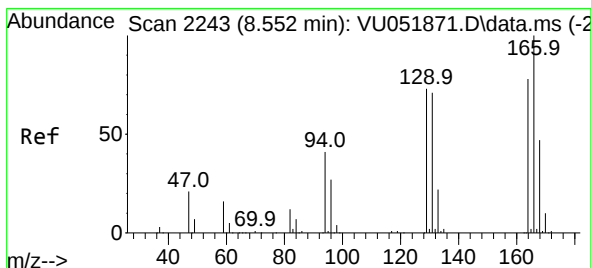
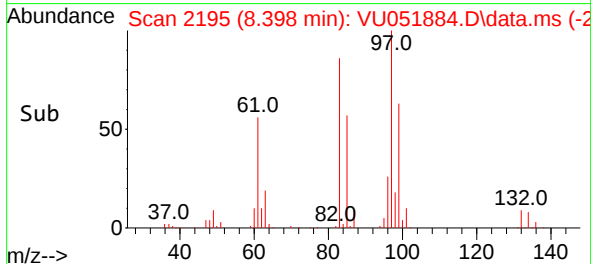
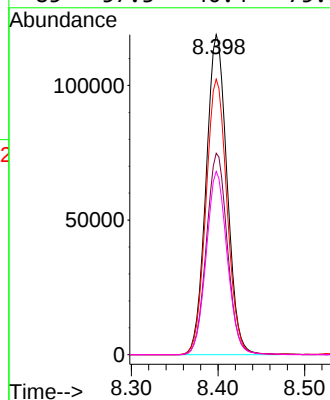
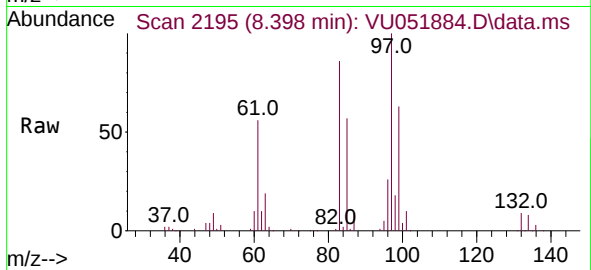


#45
1,1,2-Trichloroethane
Concen: 49.185 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050123

Tgt Ion: 97 Resp: 200113

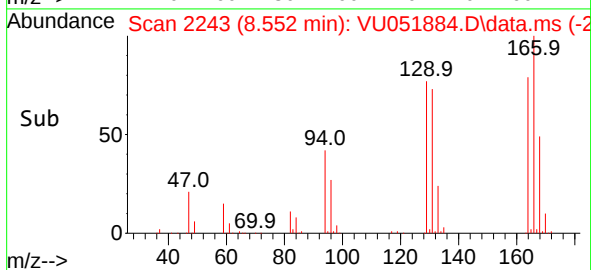
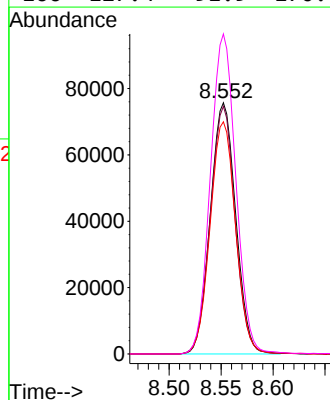
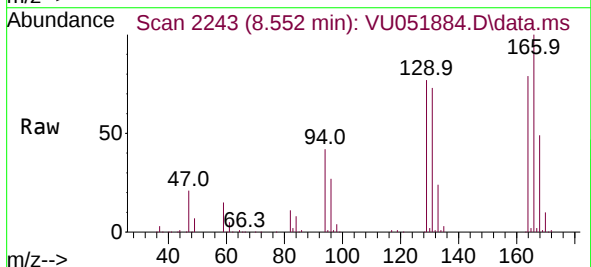
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.3	82.3
83	86.1	62.3	115.7
85	57.3	40.4	75.0

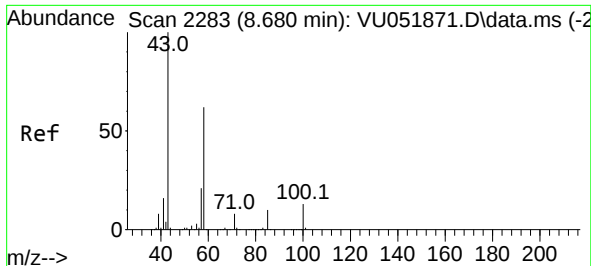


#46
Tetrachloroethene
Concen: 48.029 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Tgt Ion: 164 Resp: 128485

Ion	Ratio	Lower	Upper
164	100		
129	98.6	68.5	127.1
131	92.4	66.6	123.8
166	127.4	91.9	170.7



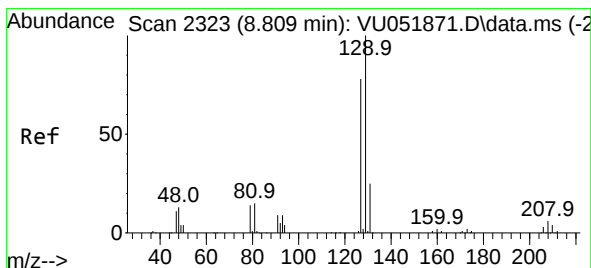
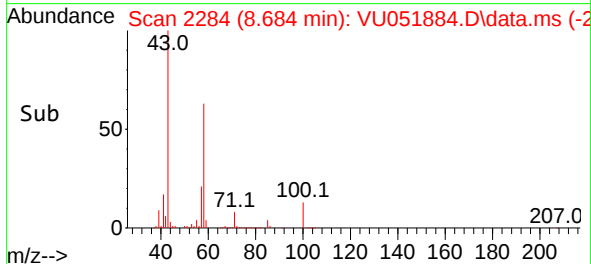
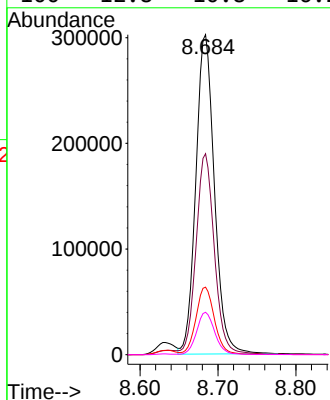
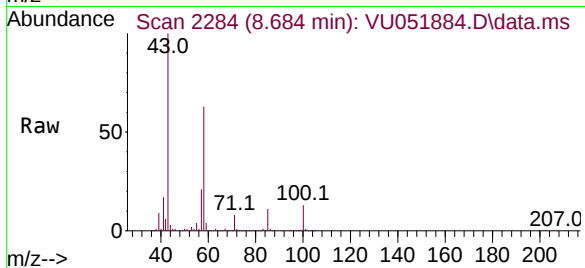


#48
2-Hexanone
Concen: 110.869 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050123

Tgt Ion: 43 Resp: 502033

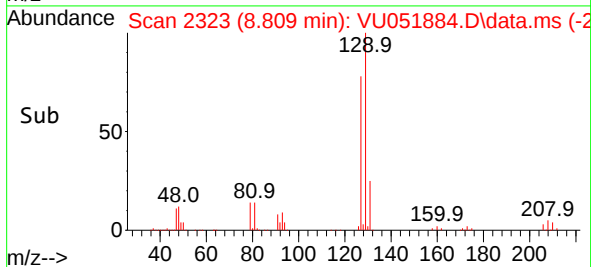
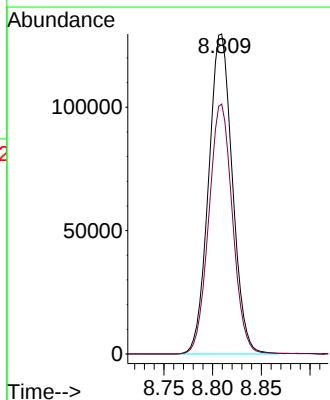
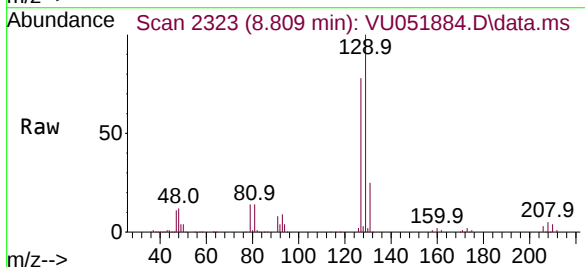
Ion	Ratio	Lower	Upper
43	100		
58	61.6	50.6	76.0
57	21.0	16.8	25.2
100	12.8	10.8	16.2

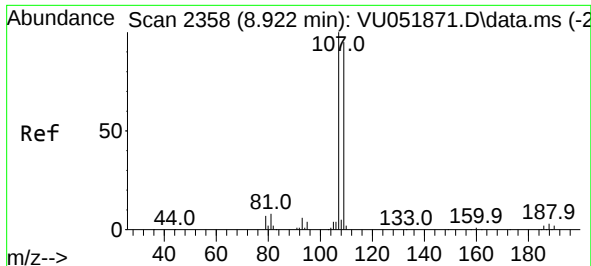


#49
Dibromochloromethane
Concen: 52.559 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Tgt Ion: 129 Resp: 220486

Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.4	101.0





#50

1,2-Dibromoethane

Concen: 49.800 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050123

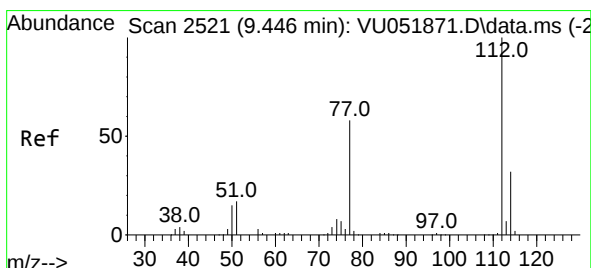
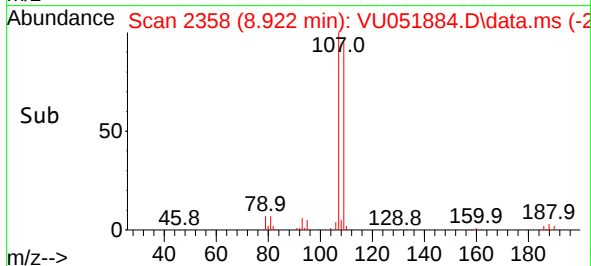
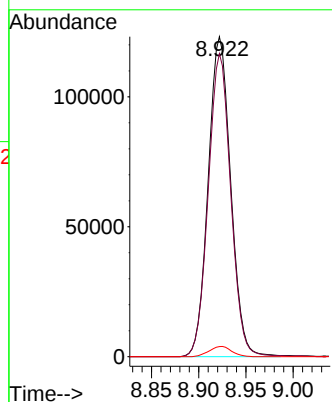
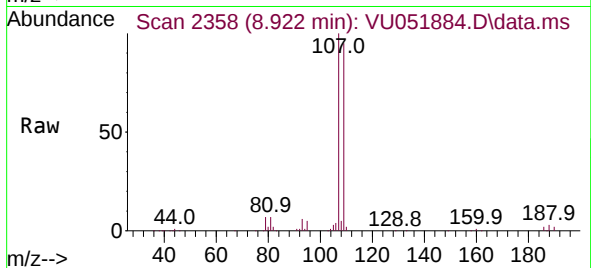
Tgt Ion:107 Resp: 203969

Ion Ratio Lower Upper

107 100

109 94.7 65.0 120.6

188 3.2 2.9 4.3



#51

Chlorobenzene

Concen: 50.005 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

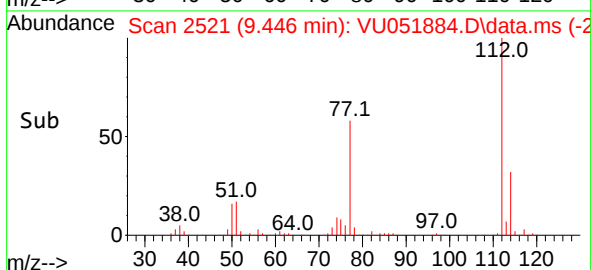
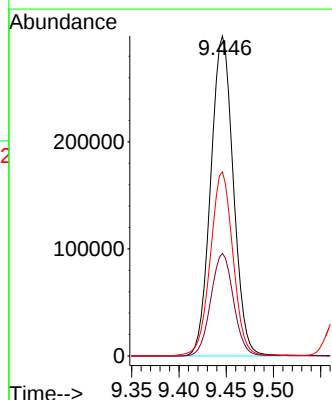
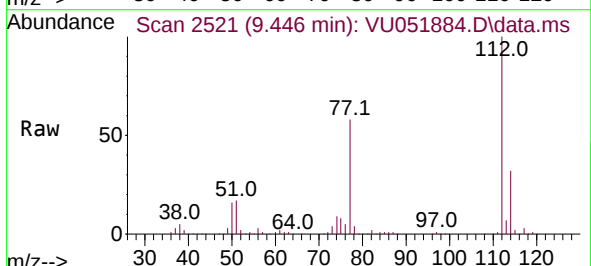
Tgt Ion:112 Resp: 496924

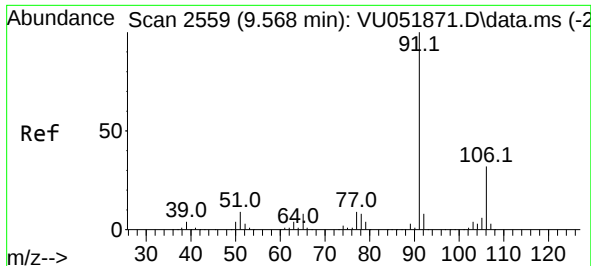
Ion Ratio Lower Upper

112 100

114 32.0 22.2 41.2

77 57.5 46.7 70.1

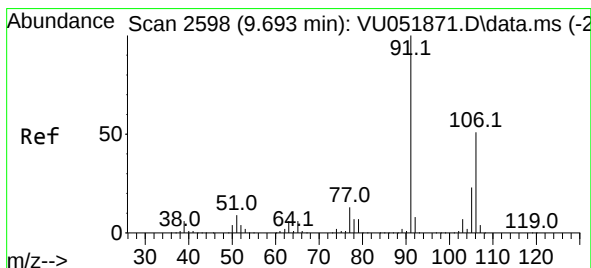
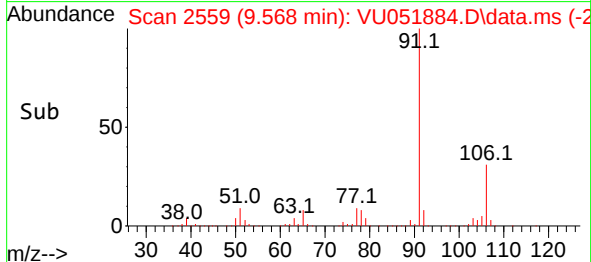
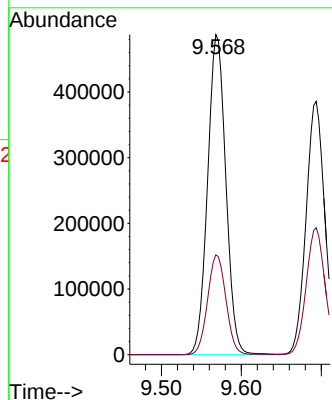
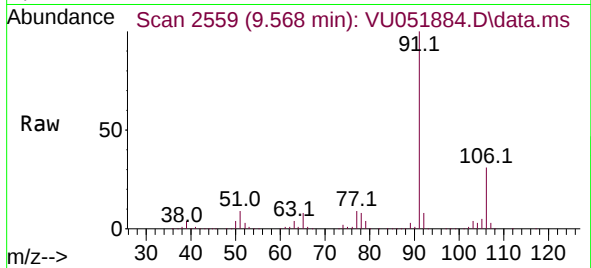




#52
Ethylbenzene
Concen: 51.880 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

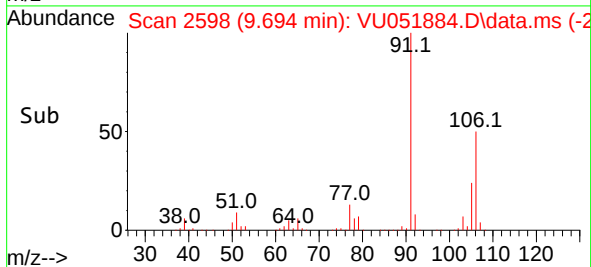
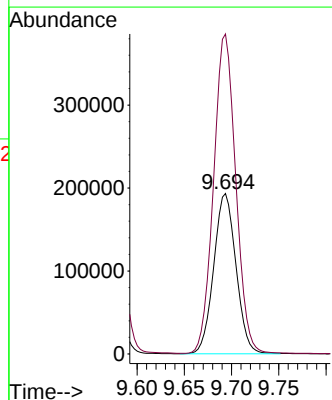
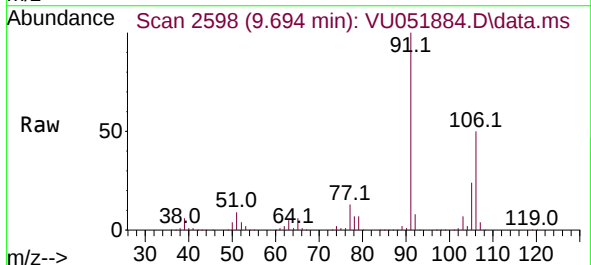
Instrument :
MSVOA_U
ClientSampleId :
VSTD050123

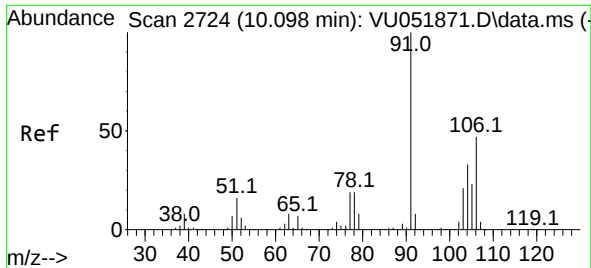
Tgt Ion: 91 Resp: 772144
Ion Ratio Lower Upper
91 100
106 31.2 21.3 39.6



#53
m,p-Xylene
Concen: 54.910 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Tgt Ion: 106 Resp: 316338
Ion Ratio Lower Upper
106 100
91 199.4 141.7 263.3

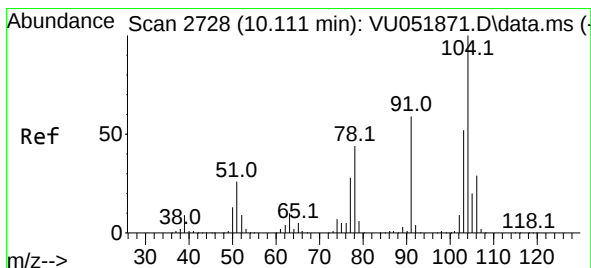
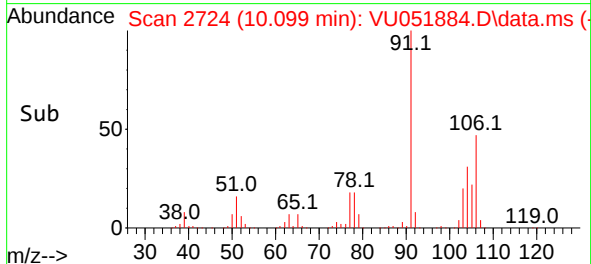
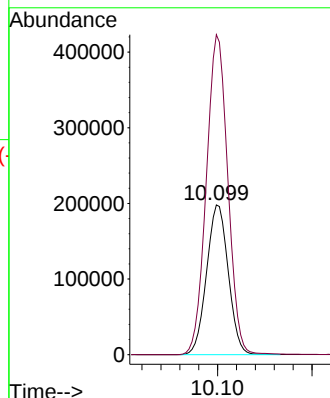
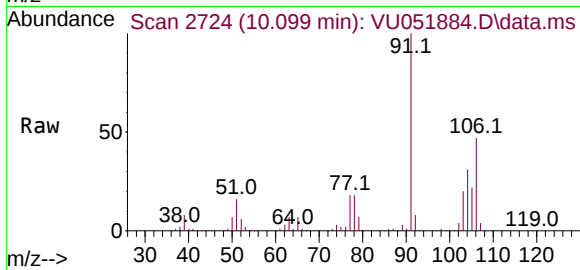




#54
o-Xylene
Concen: 53.824 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

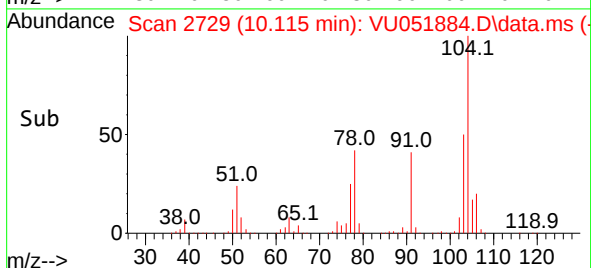
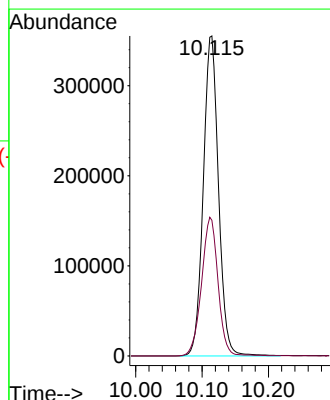
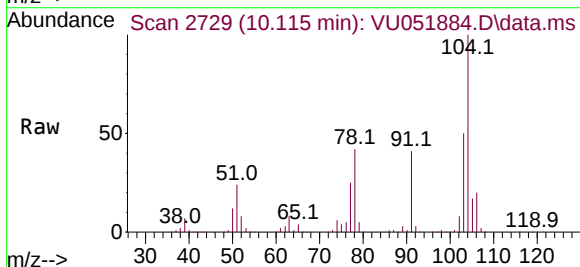
Instrument :
MSVOA_U
ClientSampleId :
VSTD050123

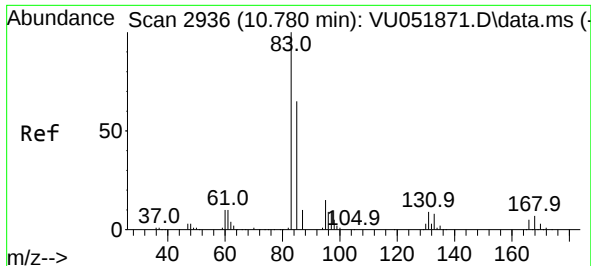
Tgt Ion:106 Resp: 315602
Ion Ratio Lower Upper
106 100
91 213.7 149.7 278.1



#55
Styrene
Concen: 56.115 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Tgt Ion:104 Resp: 567736
Ion Ratio Lower Upper
104 100
78 42.4 30.3 56.3

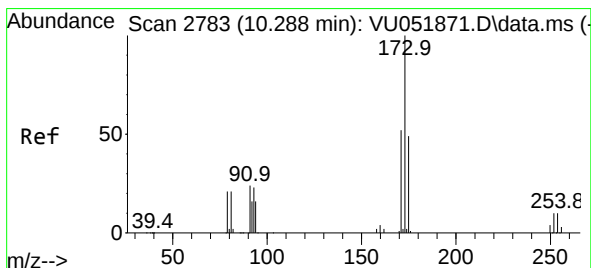
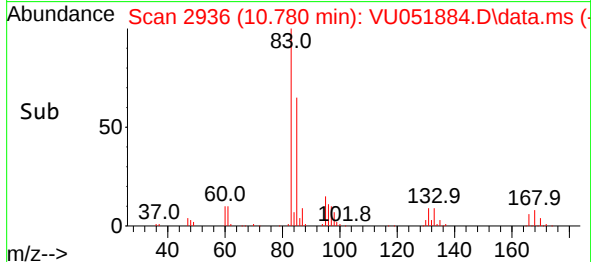
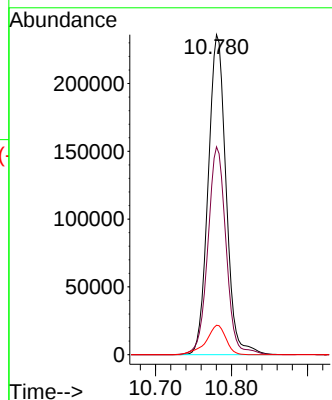
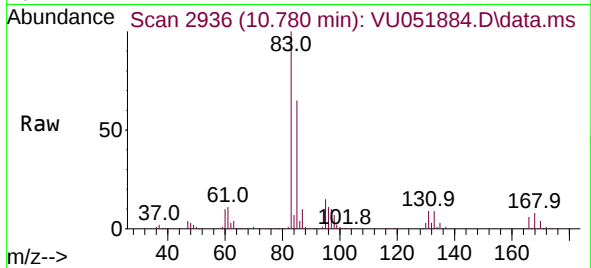




#57
1,1,2,2-Tetrachloroethane
Concen: 50.072 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

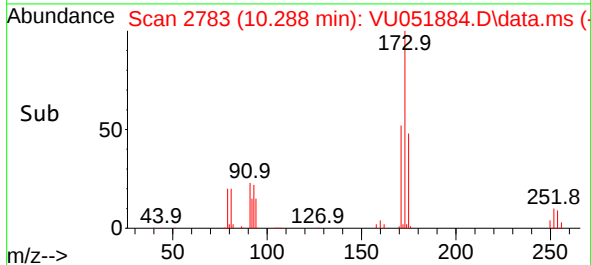
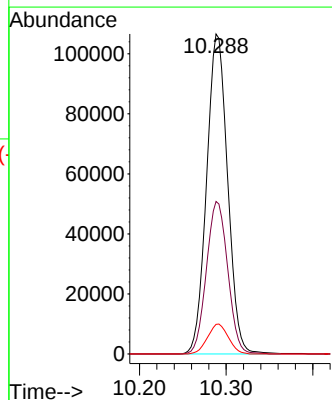
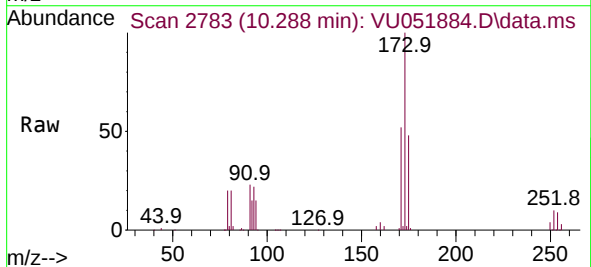
Instrument :
MSVOA_U
ClientSampleId :
VSTD050123

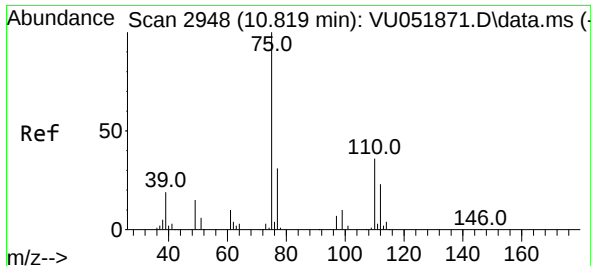
Tgt Ion: 83 Resp: 384966
Ion Ratio Lower Upper
83 100
85 65.0 44.9 83.3
131 9.2 6.8 10.2



#59
Bromoform
Concen: 51.326 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Tgt Ion:173 Resp: 179524
Ion Ratio Lower Upper
173 100
175 48.3 38.9 58.3
254 9.3 7.4 11.2

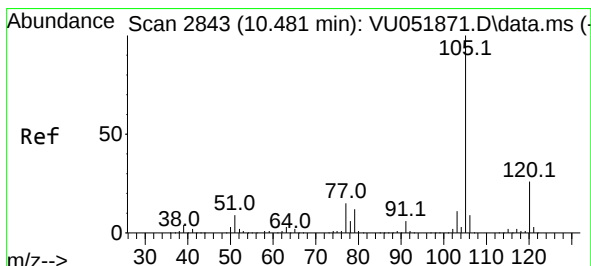
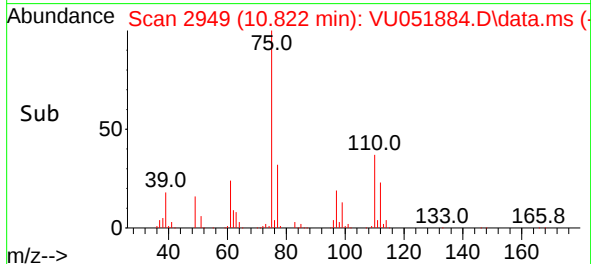
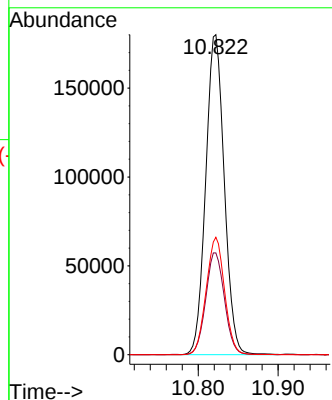
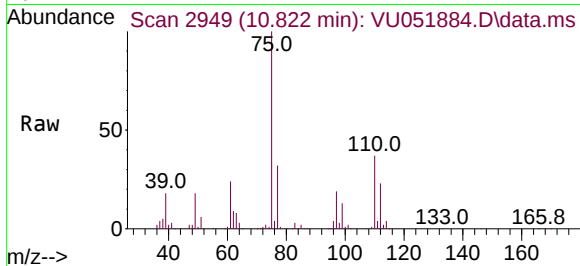




#60
1,2,3-Trichloropropane
Concen: 47.172 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

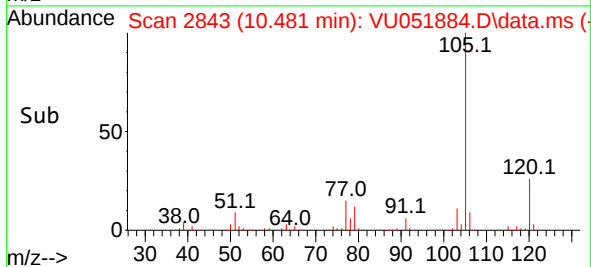
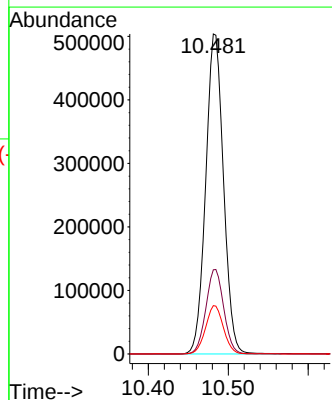
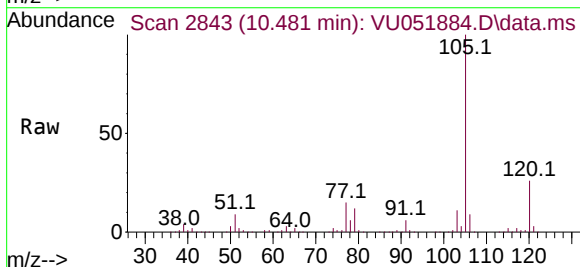
Instrument :
MSVOA_U
ClientSampleId :
VSTD050123

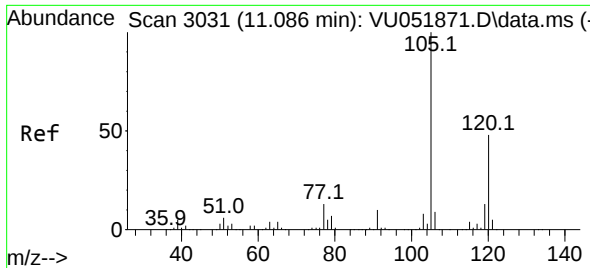
Tgt Ion: 75 Resp: 291100
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.4
110 36.3 29.0 43.4



#61
Isopropylbenzene
Concen: 51.675 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Tgt Ion: 105 Resp: 779131
Ion Ratio Lower Upper
105 100
120 26.5 21.1 31.7
77 15.1 12.2 18.4

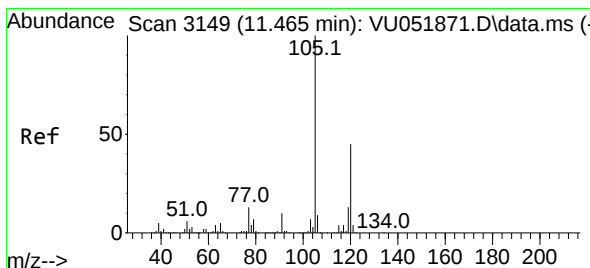
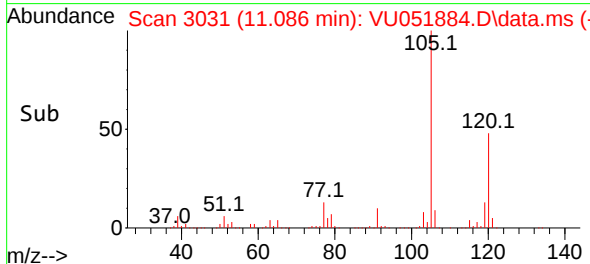
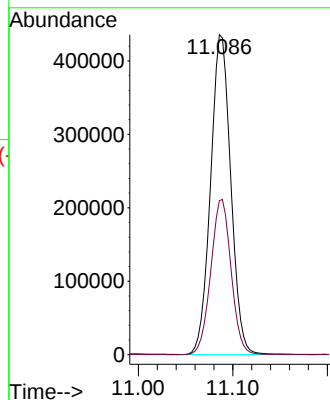
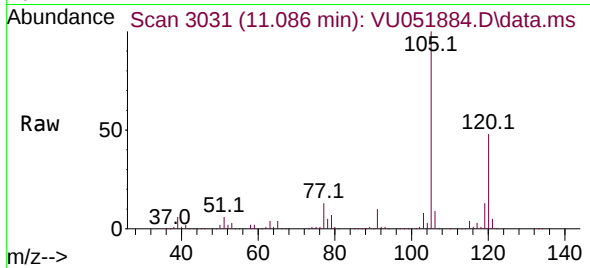




#62
 1,3,5-Trimethylbenzene
 Concen: 52.648 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU051884.D
 Acq: 17 Nov 2022 09:55

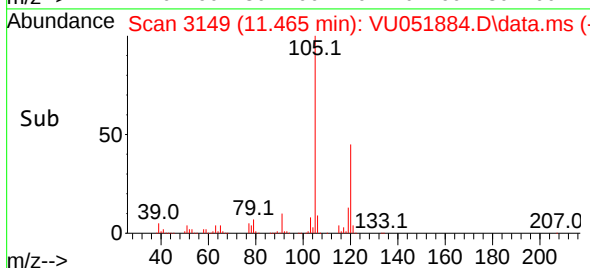
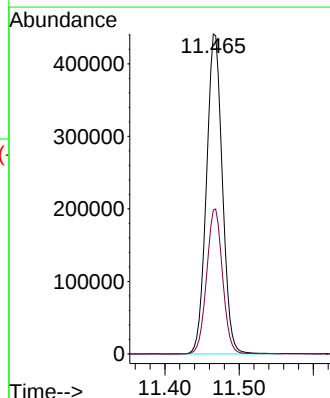
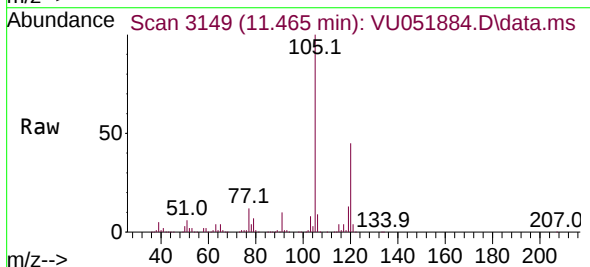
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050123

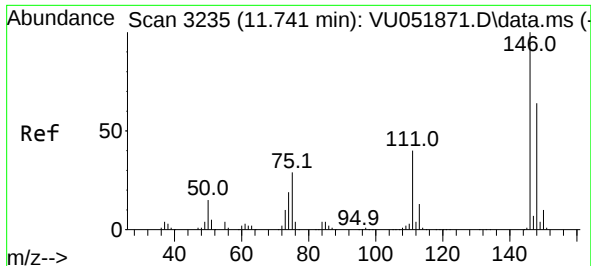
Tgt Ion:105 Resp: 646827
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 54.586 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU051884.D
 Acq: 17 Nov 2022 09:55

Tgt Ion:105 Resp: 655214
 Ion Ratio Lower Upper
 105 100
 120 45.3 36.2 54.2

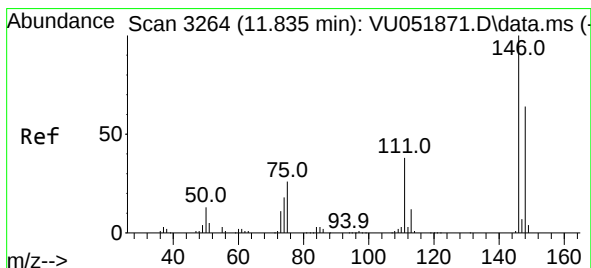
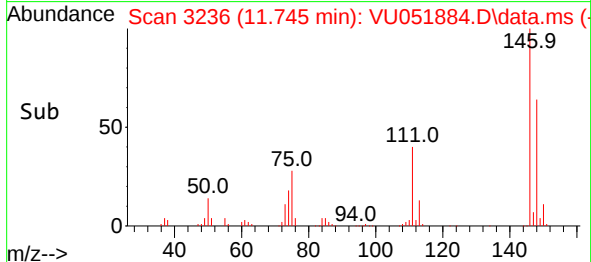
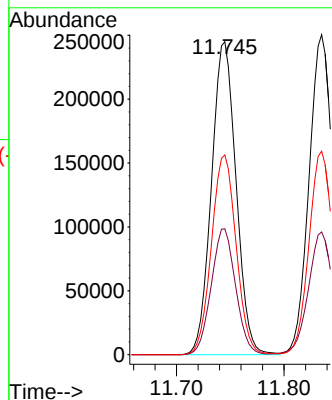
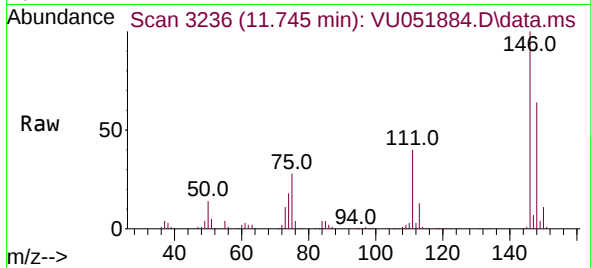




#64
1,3-Dichlorobenzene
Concen: 50.941 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

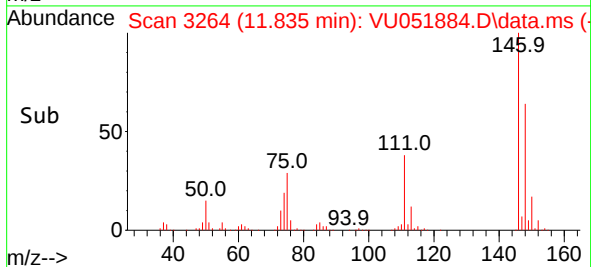
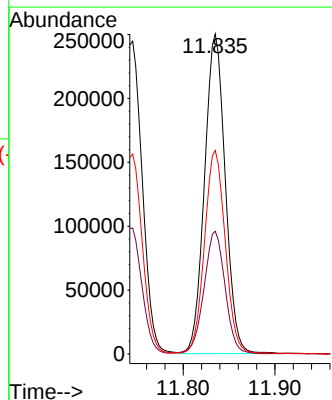
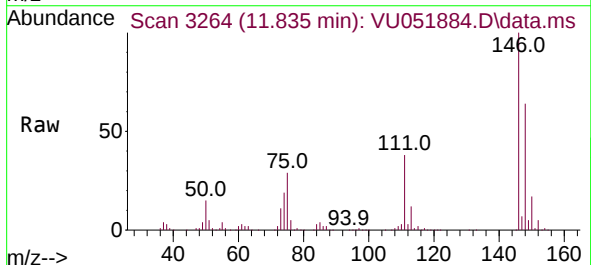
Instrument :
MSVOA_U
ClientSampleId :
VSTD050123

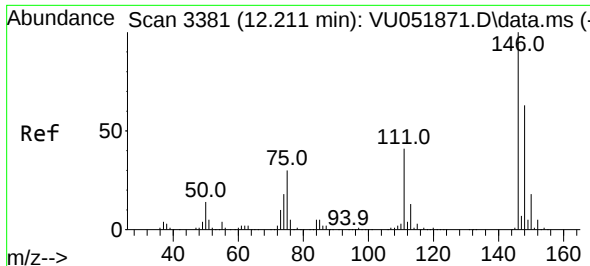
Tgt Ion:146 Resp: 389278
Ion Ratio Lower Upper
146 100
111 40.3 28.1 52.1
148 63.9 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 50.821 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Tgt Ion:146 Resp: 393292
Ion Ratio Lower Upper
146 100
111 38.3 26.7 49.5
148 63.6 44.4 82.4

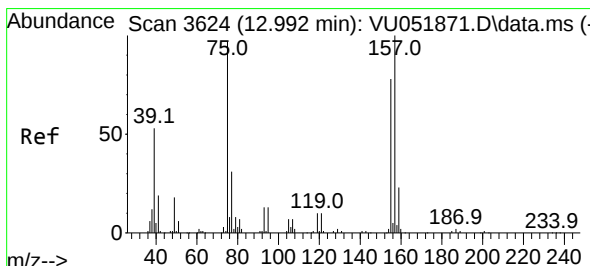
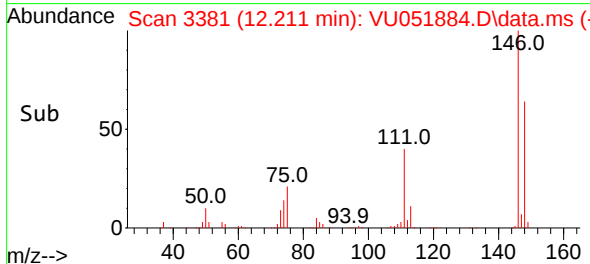
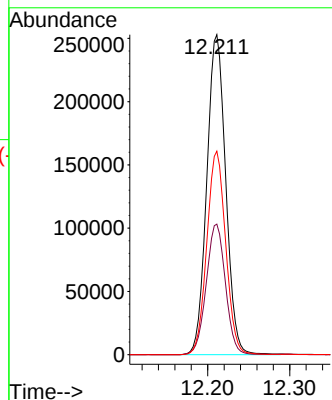
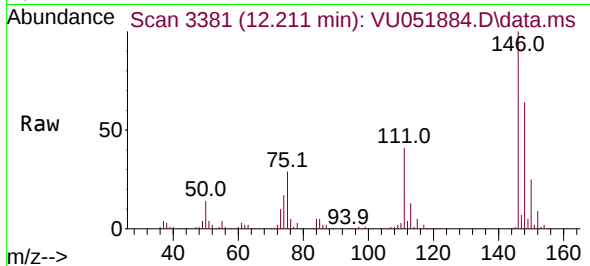




#67
1,2-Dichlorobenzene
Concen: 49.898 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

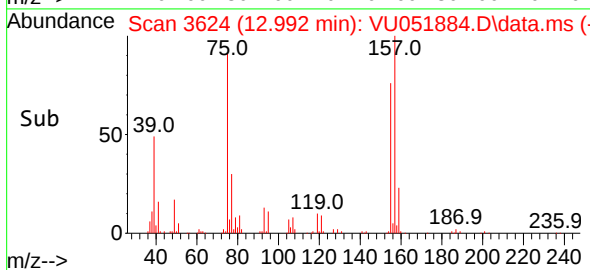
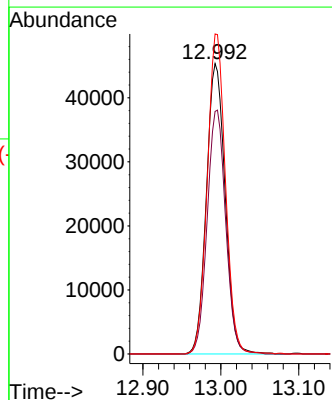
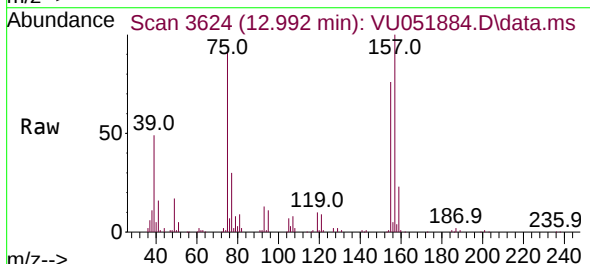
Instrument :
MSVOA_U
ClientSampleId :
VSTD050123

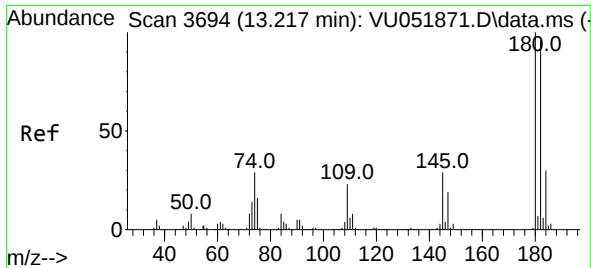
Tgt Ion:146 Resp: 405473
Ion Ratio Lower Upper
146 100
111 40.8 33.6 50.4
148 63.6 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 47.965 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Tgt Ion: 75 Resp: 75783
Ion Ratio Lower Upper
75 100
155 83.5 63.0 94.6
157 110.2 79.4 119.0

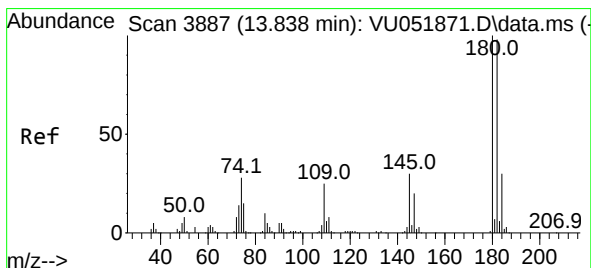
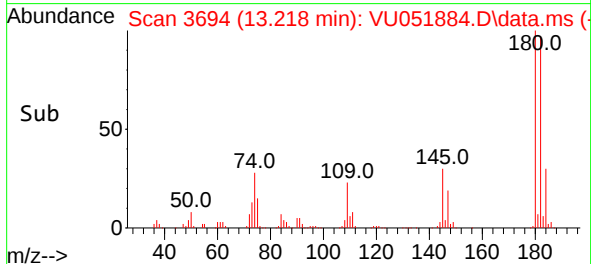
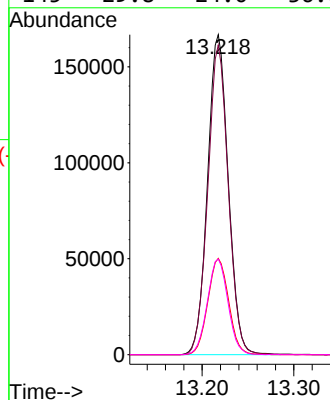
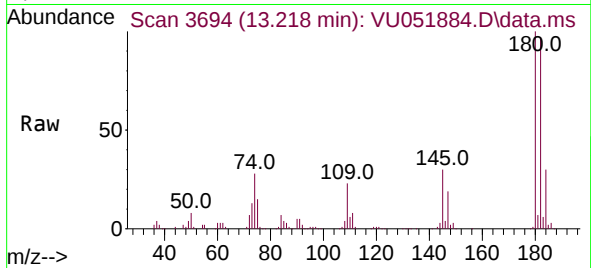




#69
1,3,5-Trichlorobenzene
Concen: 51.677 ug/L
RT: 13.218 min Scan# 3694
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

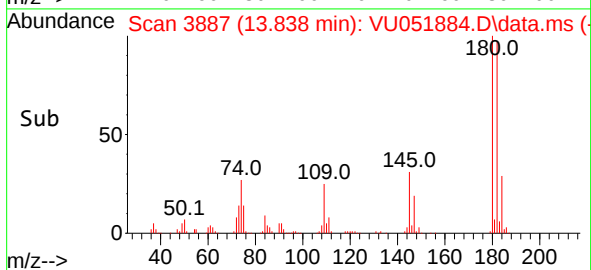
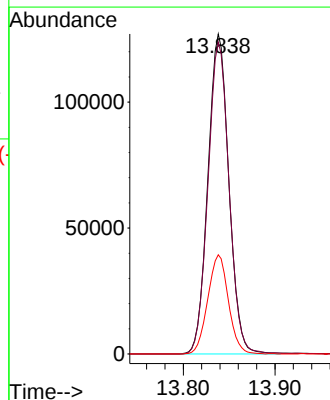
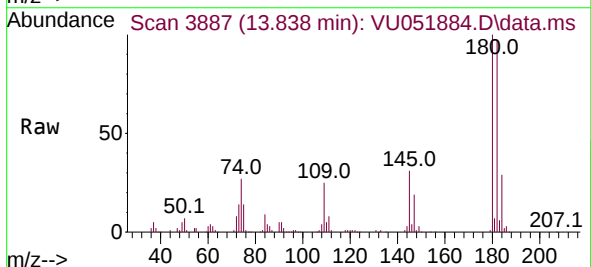
Instrument :
MSVOA_U
ClientSampleId :
VSTD050123

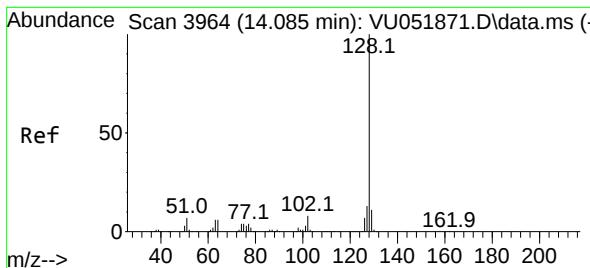
Tgt Ion:	180	Resp:	261997
Ion Ratio	Lower	Upper	
180	100		
182	95.6	77.0	115.4
184	30.3	23.8	35.8
145	29.8	24.0	36.0



#70
1,2,4-trichlorobenzene
Concen: 50.270 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.000 min
Lab File: VU051884.D
Acq: 17 Nov 2022 09:55

Tgt Ion:	180	Resp:	202014
Ion Ratio	Lower	Upper	
180	100		
182	97.7	76.4	114.6
145	30.5	24.2	36.2





#71

Naphthalene

Concen: 51.626 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050123

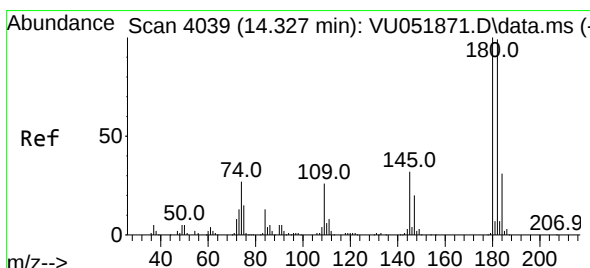
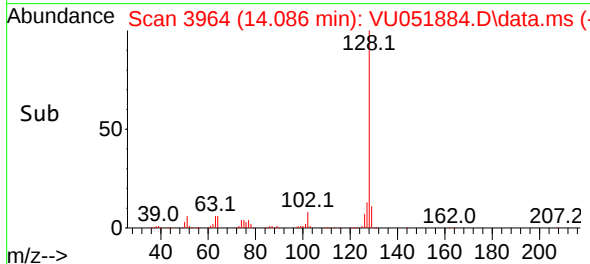
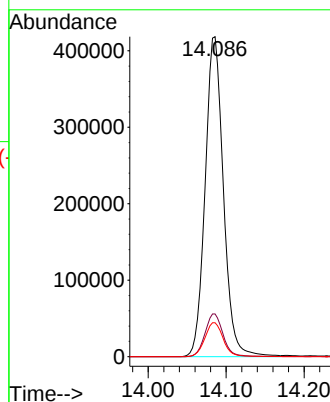
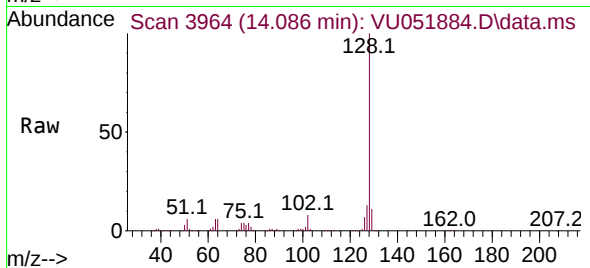
Tgt Ion:128 Resp: 682303

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 10.7 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 52.113 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU051884.D

Acq: 17 Nov 2022 09:55

Tgt Ion:180 Resp: 229212

Ion Ratio Lower Upper

180 100

182 96.0 76.9 115.3

145 31.6 24.9 37.3

