

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071122\
 Data File : VU049684.D
 Acq On : 11 Jul 2022 18:30
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050158

Quant Time: Jul 12 02:35:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 12 02:23:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	227850	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	214003	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	101768	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	81871	42.586	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.180%
7) Chloroethane-d5	1.903	69	62927	45.283	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.560%
11) 1,1-Dichloroethene-d2	2.565	63	150197	44.230	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.460%
21) 2-Butanone-d5	4.623	46	180654	110.078	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.080%
24) Chloroform-d	5.063	84	171818	50.460	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.920%
26) 1,2-Dichloroethane-d4	5.700	65	116398	50.509	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.020%
32) Benzene-d6	5.726	84	317454	48.829	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.660%
36) 1,2-Dichloropropane-d6	6.690	67	109123	49.901	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.800%
41) Toluene-d8	7.896	98	276222	48.788	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.580%
43) trans-1,3-Dichloroprop...	8.179	79	46016	49.945	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.880%
47) 2-Hexanone-d5	8.632	63	104978	106.721	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.720%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	155455	50.806	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.620%
66) 1,2-Dichlorobenzene-d4	12.192	152	95755	49.904	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	109610	40.132	ug/L	98
3) Chloromethane	1.520	50	140710	46.942	ug/L	98
5) Vinyl chloride	1.601	62	117332	43.317	ug/L	99
6) Bromomethane	1.842	94	54099	43.228	ug/L	100
8) Chloroethane	1.925	64	66393	44.248	ug/L	100
9) Trichlorofluoromethane	2.131	101	139372	41.664	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	72070	41.059	ug/L	99
12) 1,1-Dichloroethene	2.575	96	71218	43.717	ug/L	91
13) Acetone	2.626	43	128785	82.572	ug/L	97
14) Carbon disulfide	2.787	76	219630	39.980	ug/L	97
15) Methyl Acetate	2.948	43	137442	54.242	ug/L	100
16) Methylene chloride	3.041	84	104787	51.080	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	80587	45.220	ug/L	98
18) Methyl tert-butyl Ether	3.363	73	307114	50.313	ug/L	100
19) 1,1-Dichloroethane	3.867	63	182144	49.094	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	98470	49.165	ug/L	97
22) 2-Butanone	4.703	43	210863	100.980	ug/L	100
23) Bromochloromethane	4.973	128	49092	49.124	ug/L	95
25) Chloroform	5.086	83	183279	49.264	ug/L	99

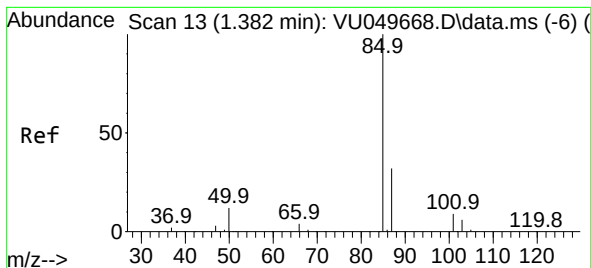
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071122\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	155500	49.086	ug/L	99
29) Cyclohexane	5.388	56	138203	41.374	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	142955	46.142	ug/L	99
31) Carbon tetrachloride	5.523	117	110374	43.558	ug/L	99
33) Benzene	5.774	78	389199	48.384	ug/L	100
34) Trichloroethene	6.542	95	89569	46.064	ug/L	97
35) Methylcyclohexane	6.761	83	124821	40.851	ug/L	98
37) 1,2-Dichloropropane	6.790	63	110002	49.337	ug/L	100
38) Bromodichloromethane	7.105	83	134207	48.549	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	149392	49.681	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	384564	106.543	ug/L	100
42) Toluene	7.970	91	380408	47.582	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	136794	48.450	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	98260	50.490	ug/L	98
46) Tetrachloroethene	8.552	164	59169	43.875	ug/L	96
48) 2-Hexanone	8.684	43	306430	106.237	ug/L	99
49) Dibromochloromethane	8.809	129	96126	49.109	ug/L	95
50) 1,2-Dibromoethane	8.925	107	96494	49.914	ug/L	100
51) Chlorobenzene	9.446	112	227746	47.041	ug/L	99
52) Ethylbenzene	9.571	91	394208	46.727	ug/L	99
53) m,p-Xylene	9.693	106	145569	47.452	ug/L	97
54) o-Xylene	10.099	106	149009	48.240	ug/L	97
55) Styrene	10.111	104	251753	49.386	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	172986	49.656	ug/L	100
59) Bromoform	10.292	173	68010	49.826	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	141316	52.133	ug/L	99
61) Isopropylbenzene	10.484	105	367590	48.374	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	313523	48.914	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	315591	49.561	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	155757	46.954	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	155910	46.789	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	166986	48.411	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	39648	49.918	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	107541	46.265	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	94271	44.194	ug/L	97
71) Naphthalene	14.086	128	368837	48.369	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	103355	46.776	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 40.132 ug/L

RT: 1.382 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049684.D

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Instrument :

MSVOA_U

ClientSampleId :

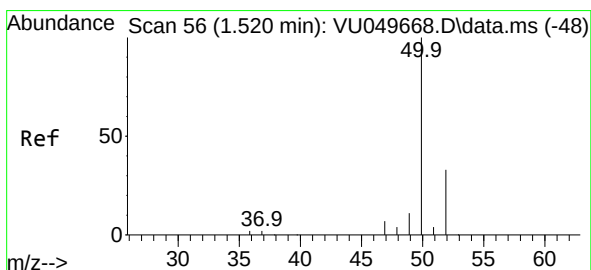
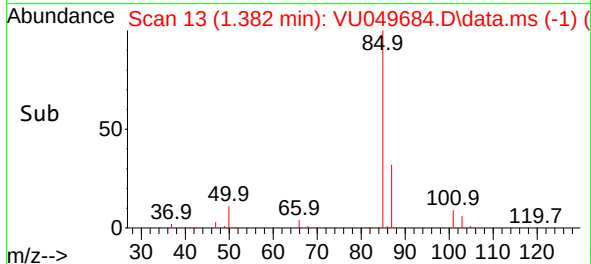
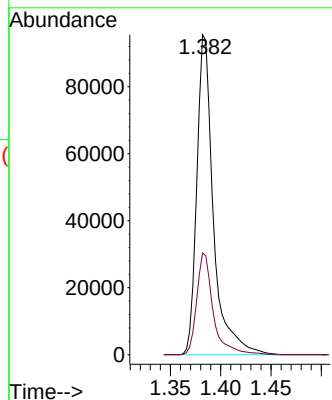
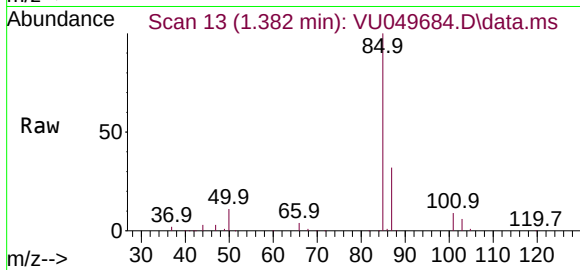
VSTD050158

Tgt Ion: 85 Resp: 109610

Ion Ratio Lower Upper

85 100

87 31.6 26.3 39.5



#3

Chloromethane

Concen: 46.942 ug/L

RT: 1.520 min Scan# 56

Delta R.T. 0.000 min

Lab File: VU049684.D

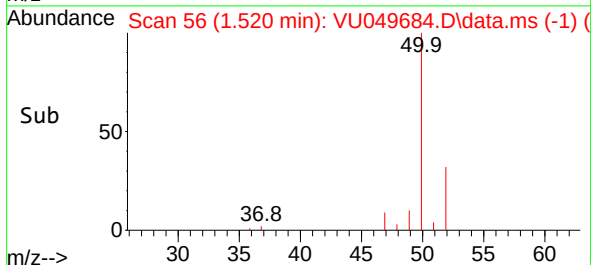
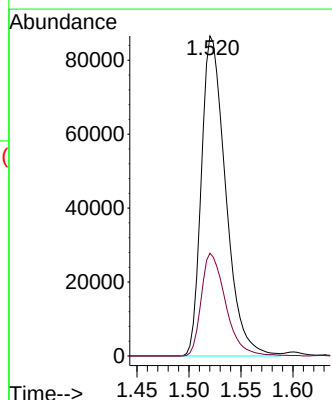
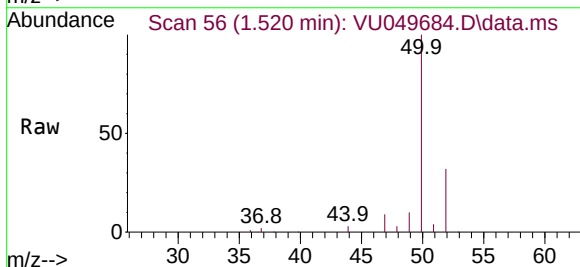
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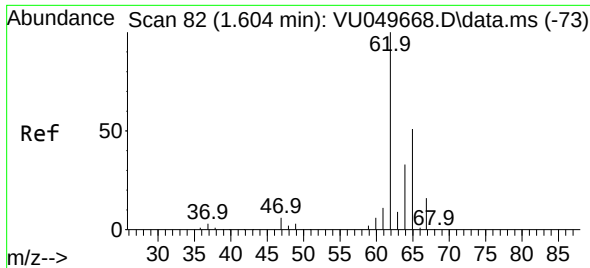
Tgt Ion: 50 Resp: 140710

Ion Ratio Lower Upper

50 100

52 32.1 23.2 43.0

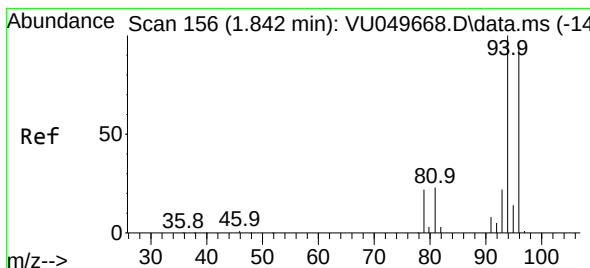
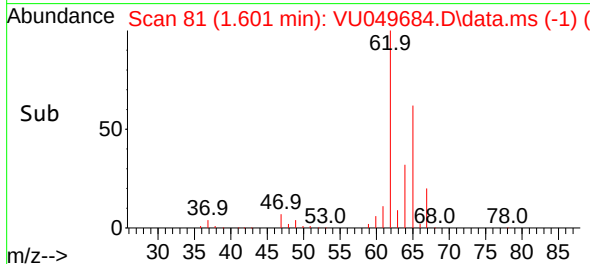
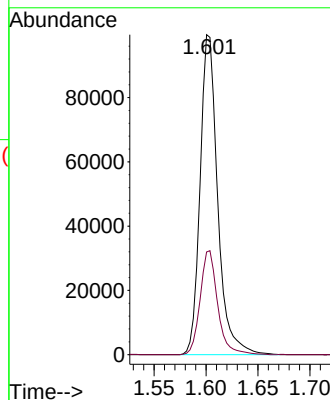
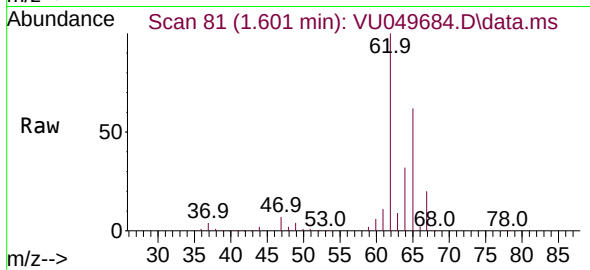




#5
 Vinyl chloride
 Concen: 43.317 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU049684.D
 Acq: 11 Jul 2022 18:30

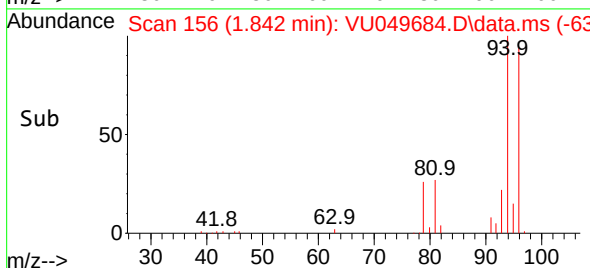
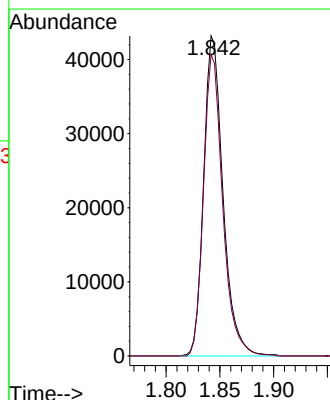
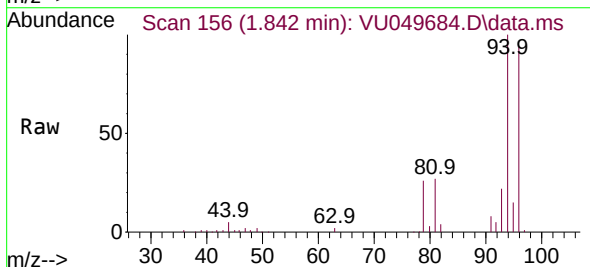
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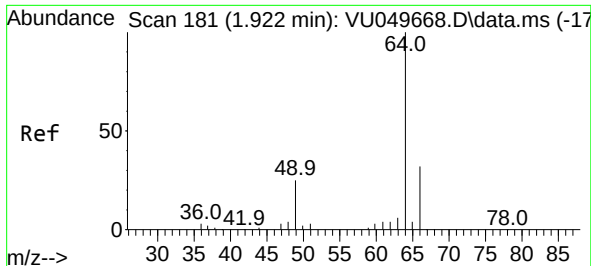
Tgt Ion: 62 Resp: 117332
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.0 42.6



#6
 Bromomethane
 Concen: 43.228 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. 0.000 min
 Lab File: VU049684.D
 Acq: 11 Jul 2022 18:30

Tgt Ion: 94 Resp: 54099
 Ion Ratio Lower Upper
 94 100
 96 94.2 66.1 122.7

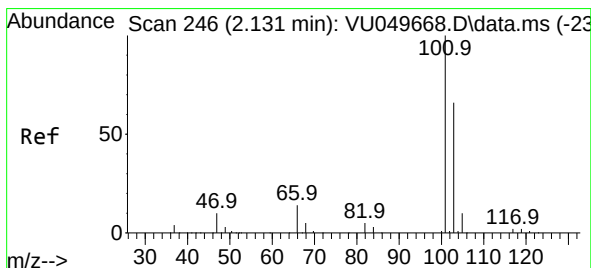
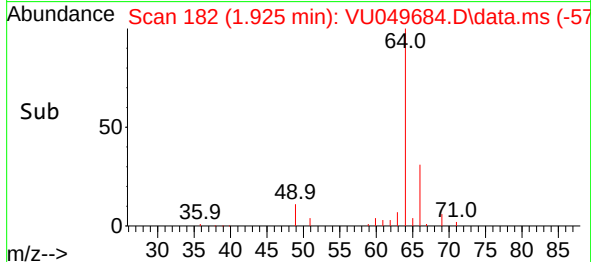
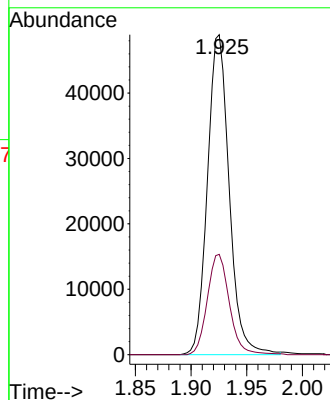
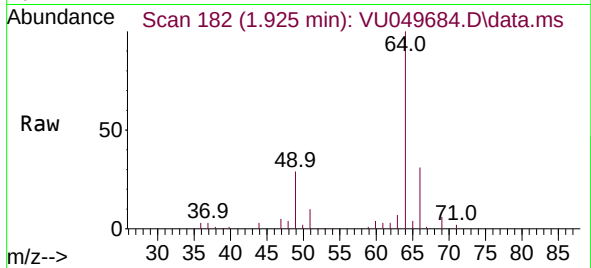




#8
Chloroethane
Concen: 44.248 ug/L
RT: 1.925 min Scan# 181
Delta R.T. 0.003 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

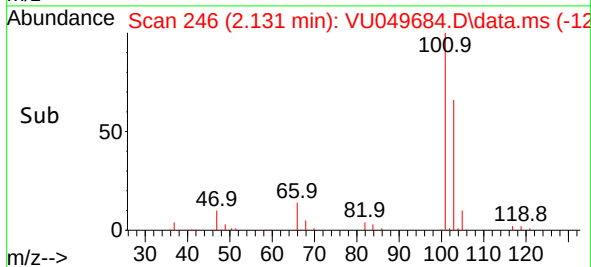
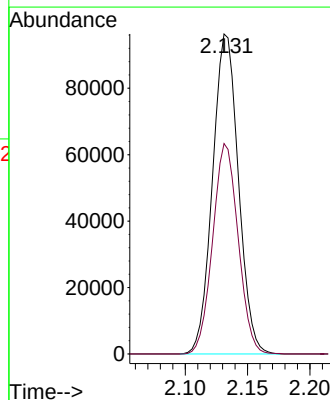
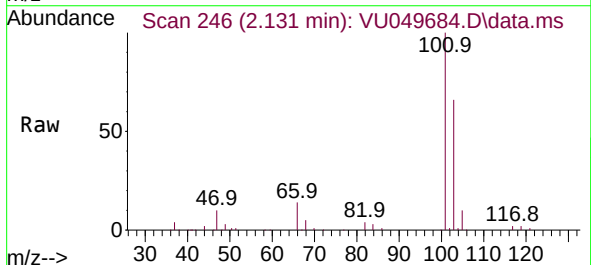
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VSTD050158

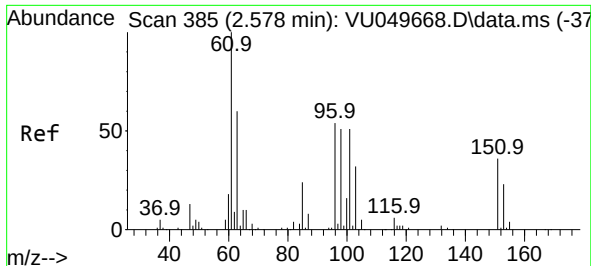
Tgt Ion: 64 Resp: 66393
Ion Ratio Lower Upper
64 100
66 31.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 41.664 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

Tgt Ion: 101 Resp: 139372
Ion Ratio Lower Upper
101 100
103 64.6 52.2 78.4

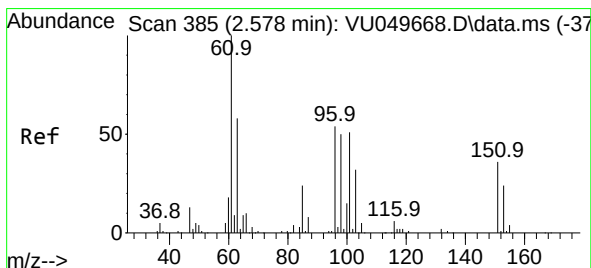
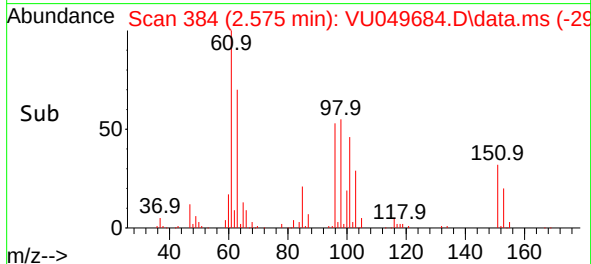
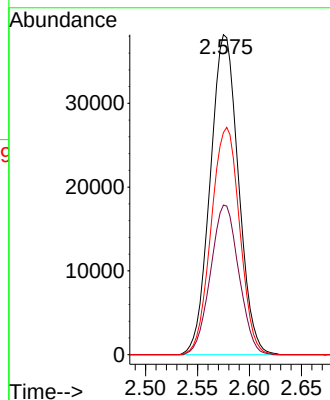
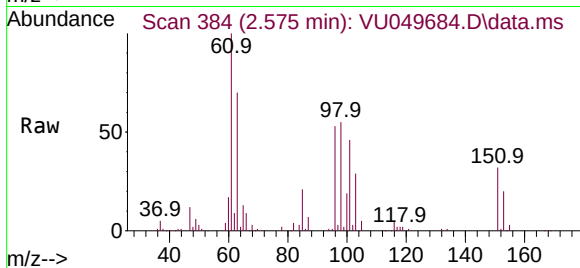




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 41.059 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU049684.D
 Acq: 11 Jul 2022 18:30

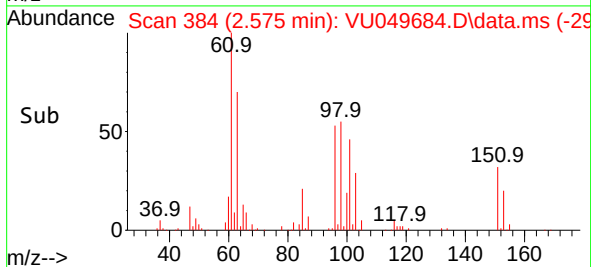
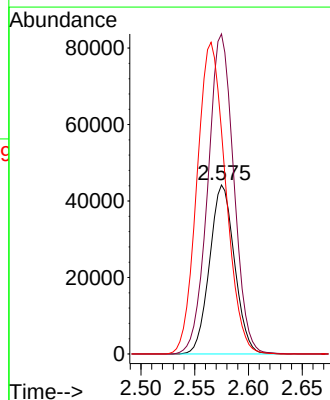
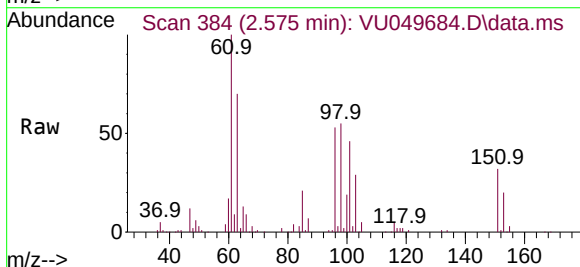
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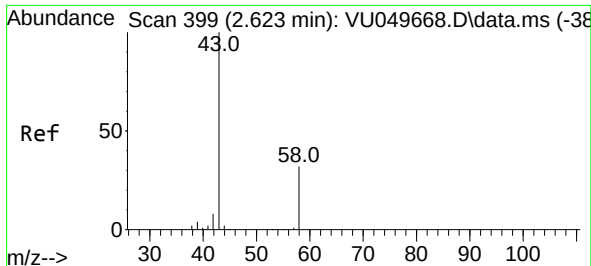
Tgt Ion:101 Resp: 72070
 Ion Ratio Lower Upper
 101 100
 85 46.8 37.3 55.9
 151 72.0 56.9 85.3



#12
 1,1-Dichloroethene
 Concen: 43.717 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU049684.D
 Acq: 11 Jul 2022 18:30

Tgt Ion: 96 Resp: 71218
 Ion Ratio Lower Upper
 96 100
 61 189.4 129.6 240.6
 63 132.0 79.0 146.6





#13

Acetone

Concen: 82.572 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

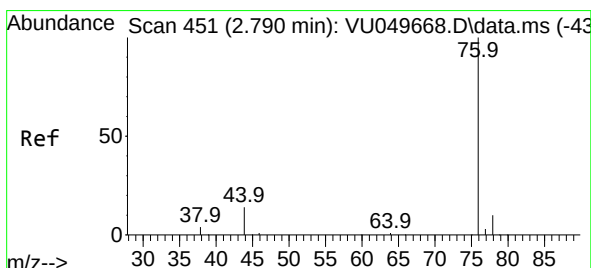
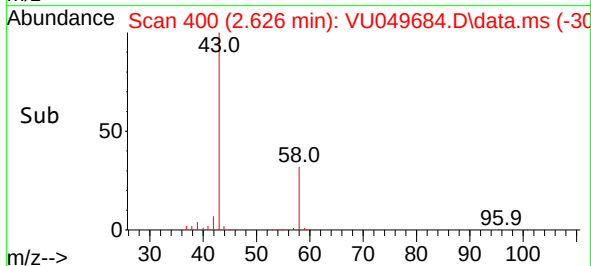
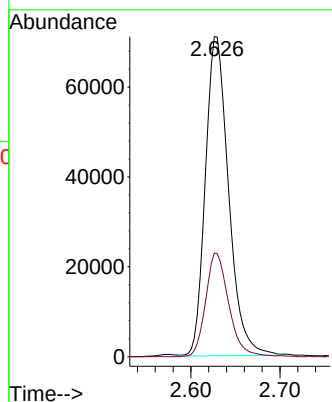
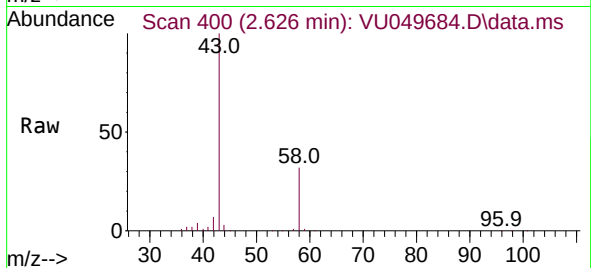
VSTD050158

Tgt Ion: 43 Resp: 128785

Ion Ratio Lower Upper

43 100

58 32.1 0.0 61.4



#14

Carbon disulfide

Concen: 39.980 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU049684.D

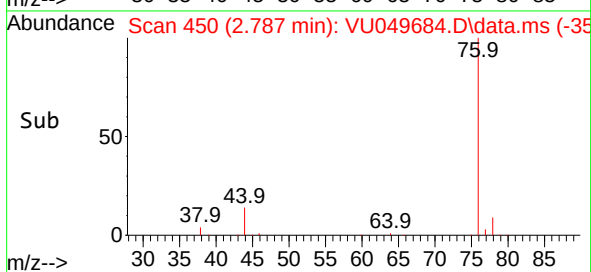
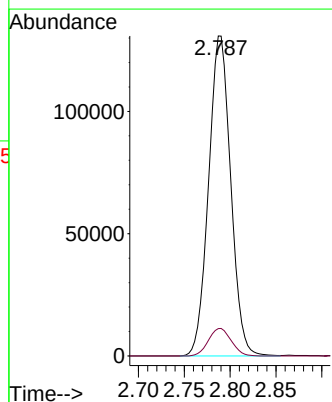
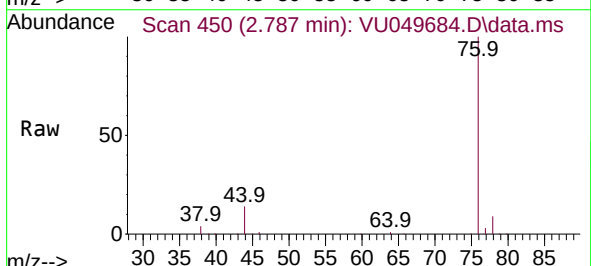
Acq: 11 Jul 2022 18:30

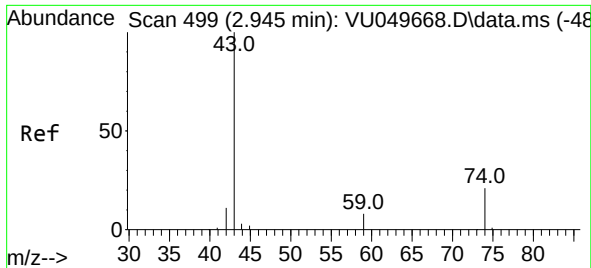
Tgt Ion: 76 Resp: 219630

Ion Ratio Lower Upper

76 100

78 8.6 7.6 11.4

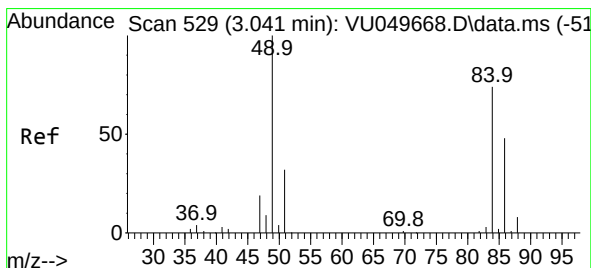
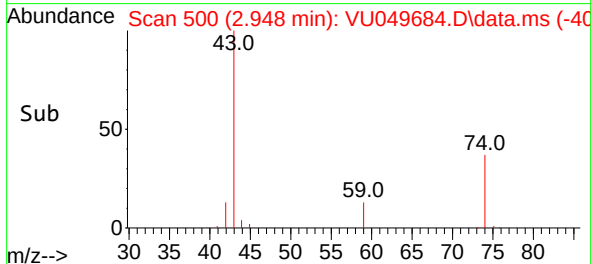
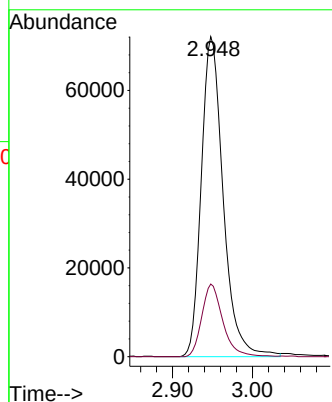
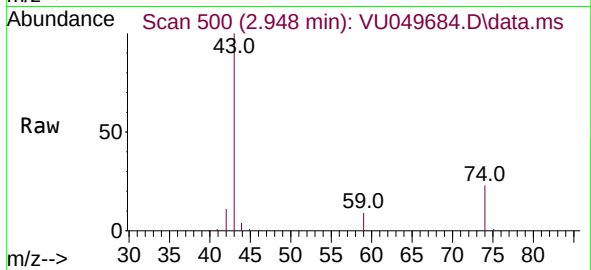




#15
Methyl Acetate
Concen: 54.242 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

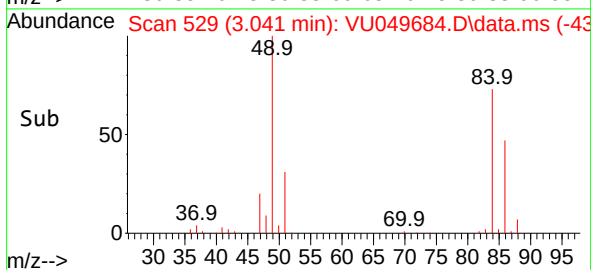
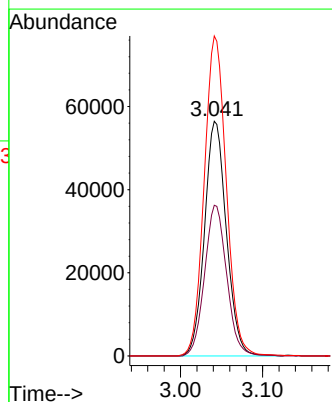
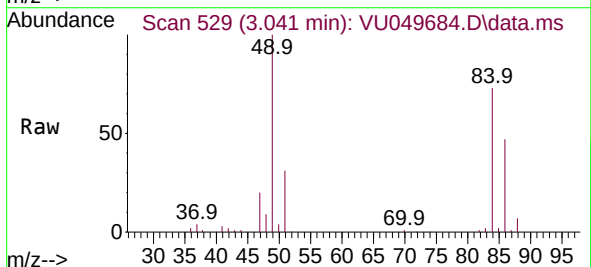
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

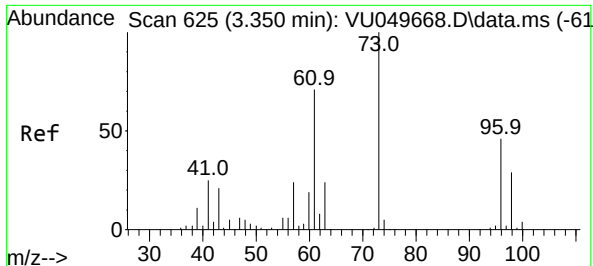
Tgt Ion: 43 Resp: 137442
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.0



#16
Methylene chloride
Concen: 51.080 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

Tgt Ion: 84 Resp: 104787
Ion Ratio Lower Upper
84 100
86 64.2 45.6 84.6
49 136.3 94.4 175.4





#17

trans-1,2-Dichloroethene

Concen: 45.220 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD050158

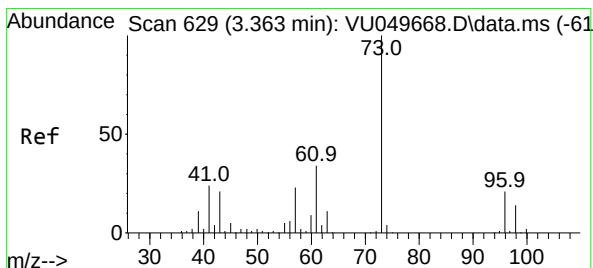
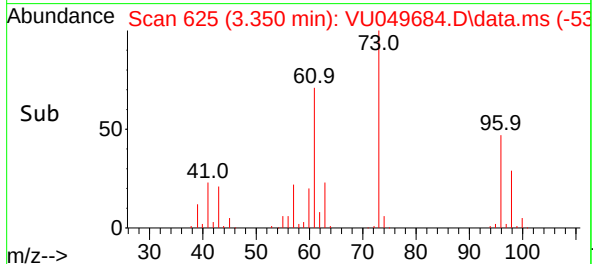
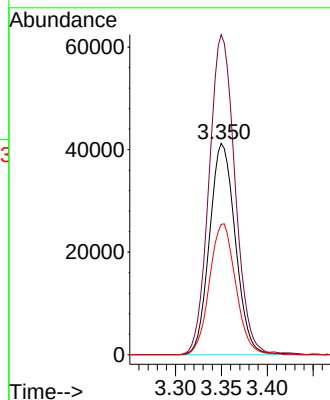
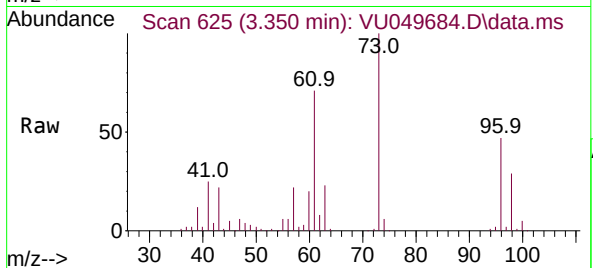
Tgt Ion: 96 Resp: 80587

Ion Ratio Lower Upper

96 100

61 151.5 107.6 199.8

98 61.7 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 50.313 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

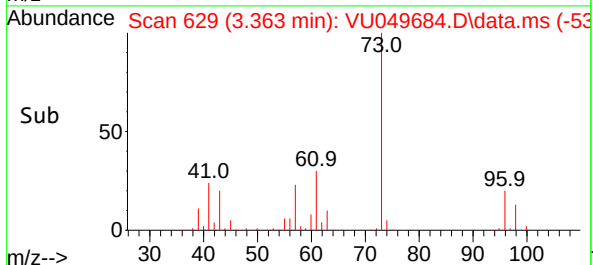
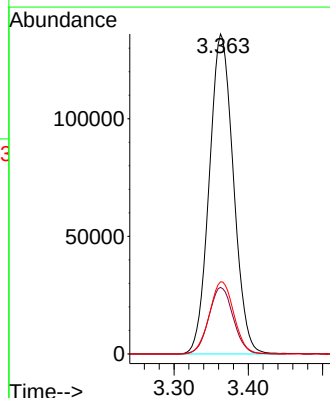
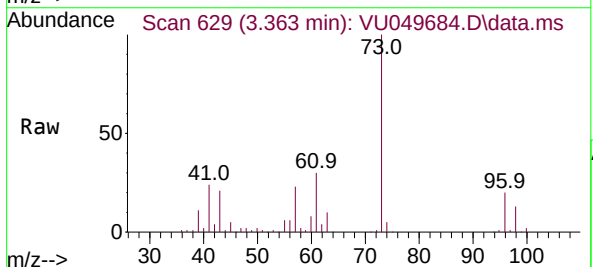
Tgt Ion: 73 Resp: 307114

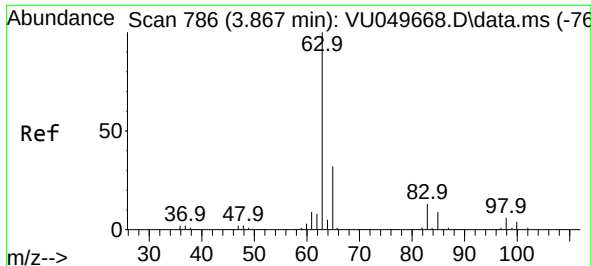
Ion Ratio Lower Upper

73 100

43 21.1 17.0 25.4

57 23.0 18.5 27.7

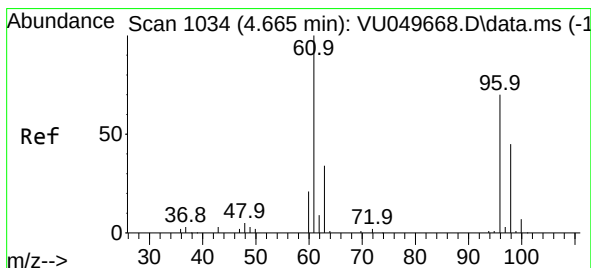
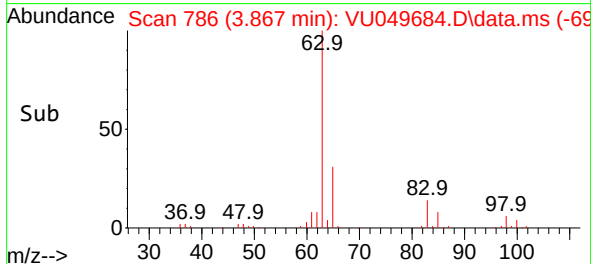
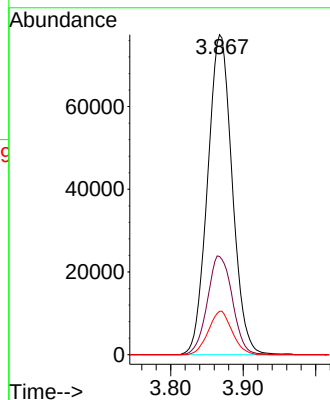
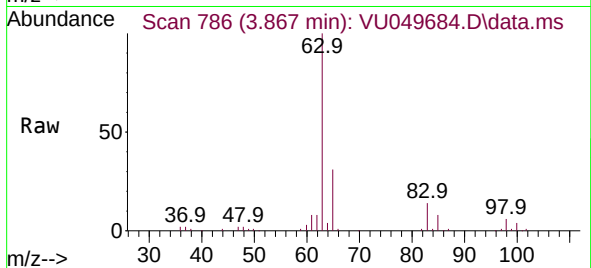




#19
1,1-Dichloroethane
Concen: 49.094 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

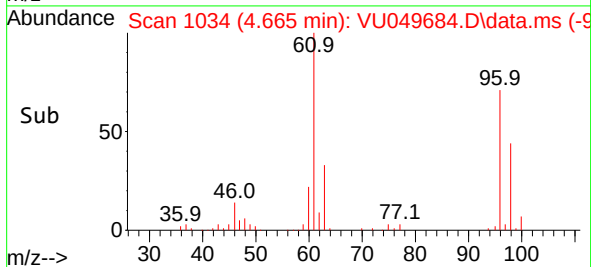
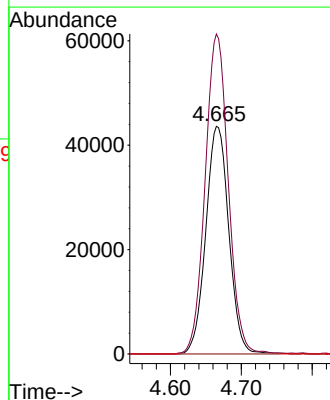
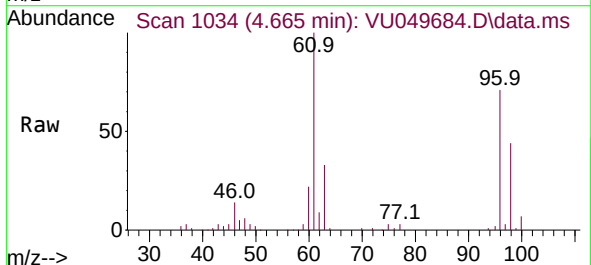
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

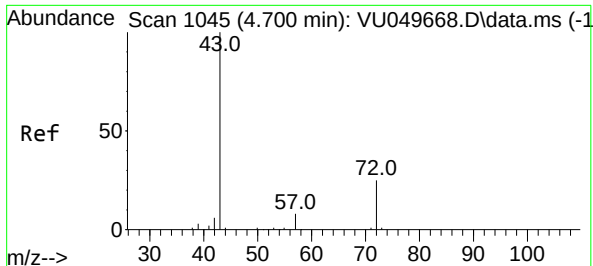
Tgt Ion: 63 Resp: 182144
Ion Ratio Lower Upper
63 100
65 30.7 22.6 42.0
83 13.6 9.2 17.2



#20
cis-1,2-Dichloroethene
Concen: 49.165 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

Tgt Ion: 96 Resp: 98470
Ion Ratio Lower Upper
96 100
61 140.5 101.1 187.7
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 100.980 ug/L

RT: 4.703 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

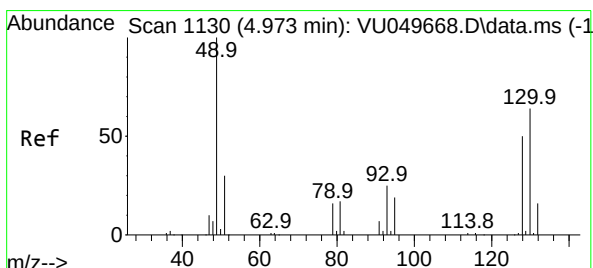
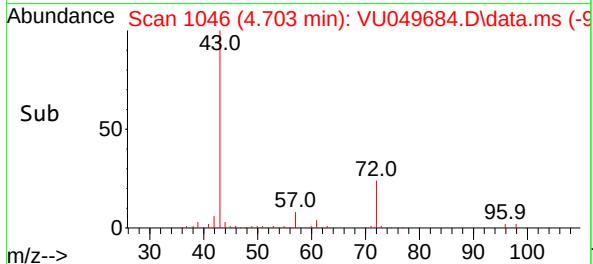
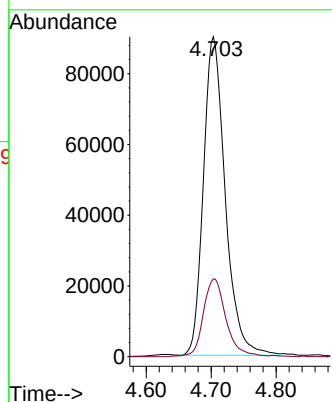
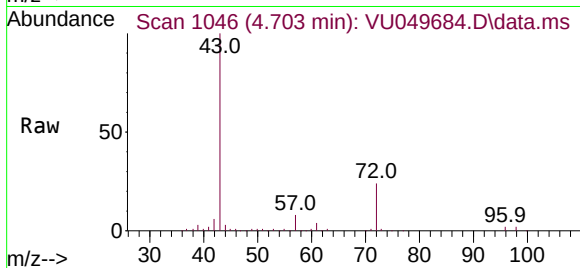
VSTD050158

Tgt Ion: 43 Resp: 210863

Ion Ratio Lower Upper

43 100

72 25.3 12.7 38.0



#23

Bromochloromethane

Concen: 49.124 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

Tgt Ion:128 Resp: 49092

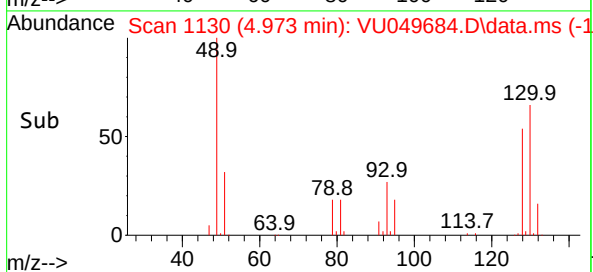
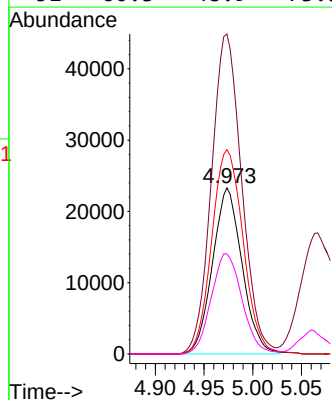
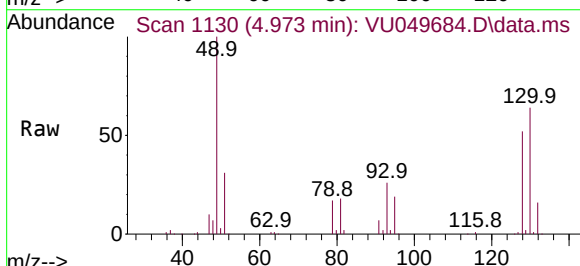
Ion Ratio Lower Upper

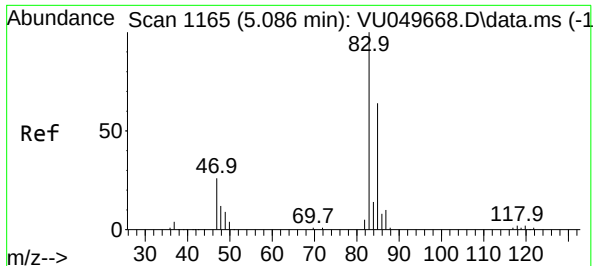
128 100

49 192.7 140.9 261.7

130 123.0 90.0 167.2

51 60.3 48.9 73.3





#25

Chloroform

Concen: 49.264 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

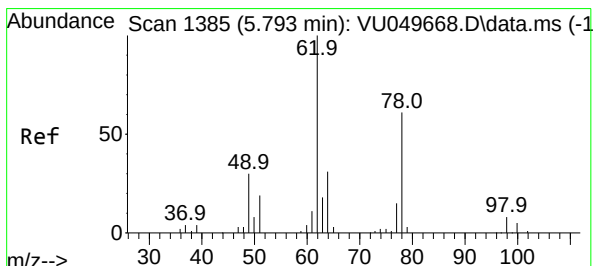
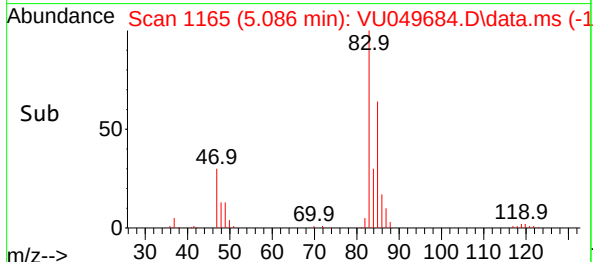
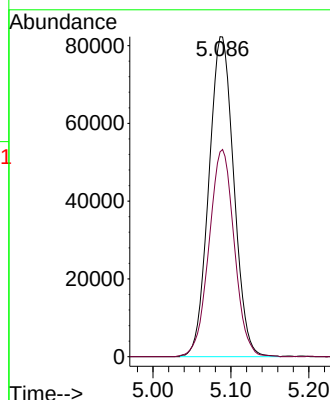
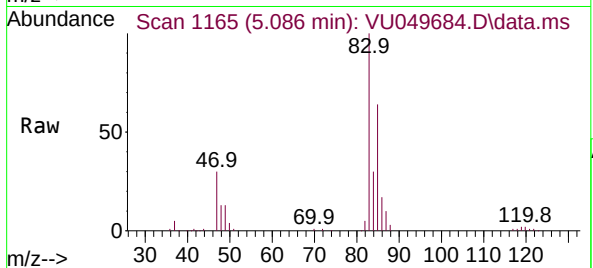
VSTD050158

Tgt Ion: 83 Resp: 183279

Ion Ratio Lower Upper

83 100

85 64.0 45.2 84.0



#27

1,2-Dichloroethane

Concen: 49.086 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU049684.D

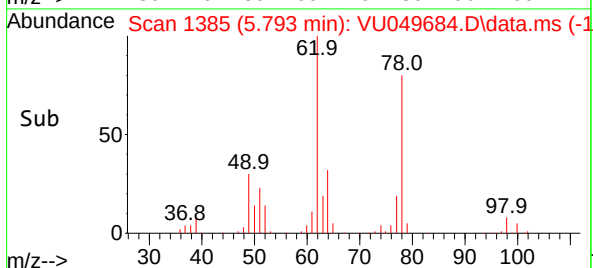
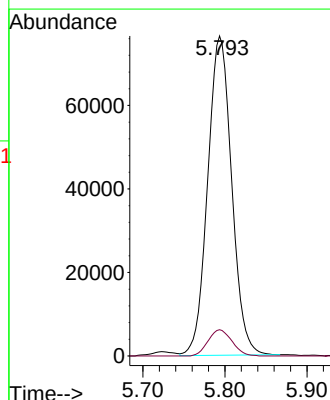
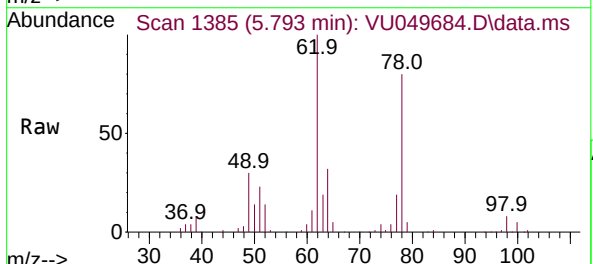
Acq: 11 Jul 2022 18:30

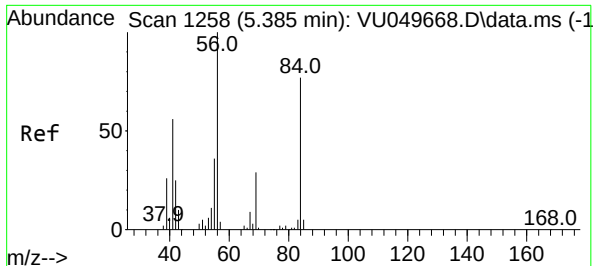
Tgt Ion: 62 Resp: 155500

Ion Ratio Lower Upper

62 100

98 8.2 6.7 10.1





#29

Cyclohexane

Concen: 41.374 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD050158

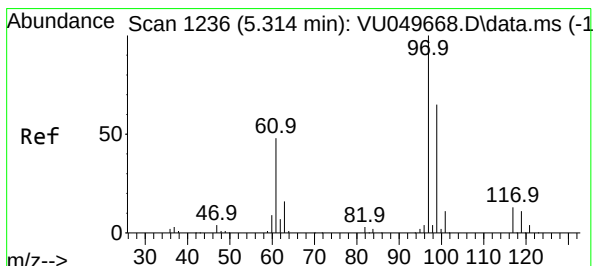
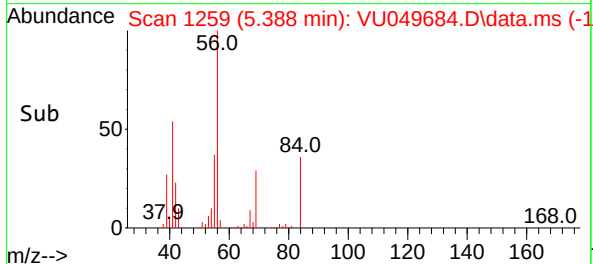
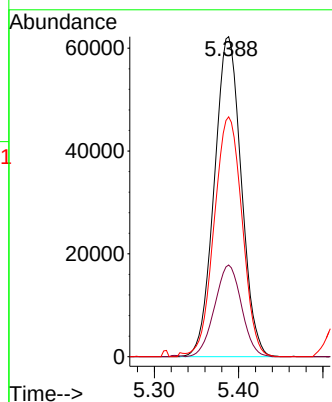
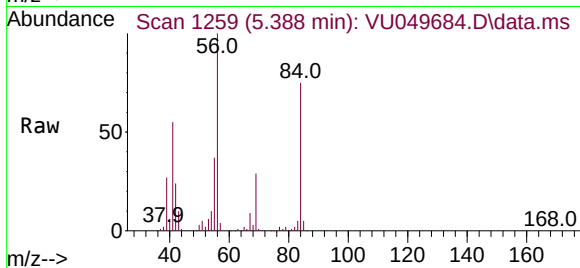
Tgt Ion: 56 Resp: 138203

Ion Ratio Lower Upper

56 100

69 28.5 23.4 35.2

84 77.7 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 46.142 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

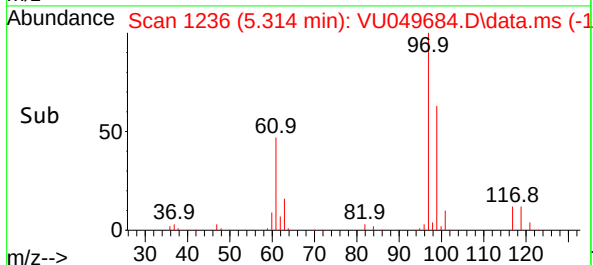
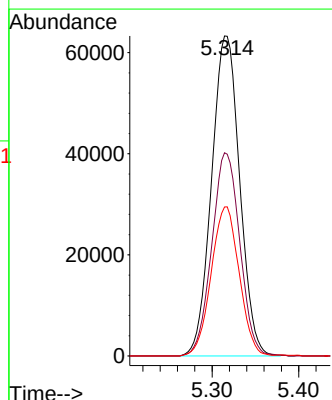
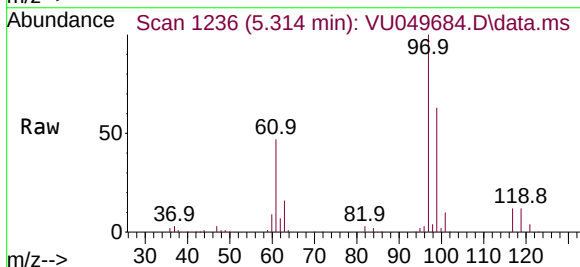
Tgt Ion: 97 Resp: 142955

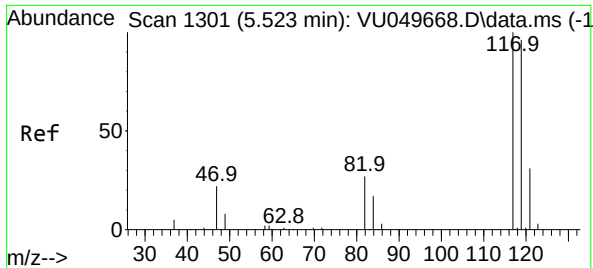
Ion Ratio Lower Upper

97 100

99 63.3 51.3 76.9

61 46.4 38.2 57.2

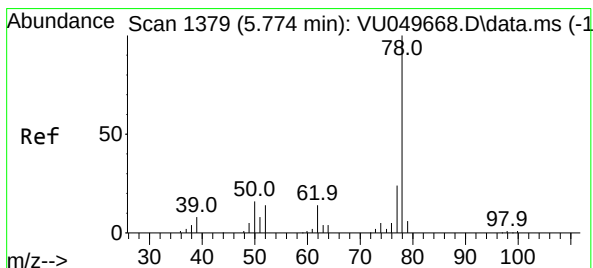
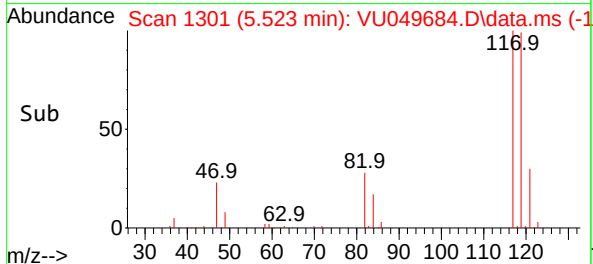
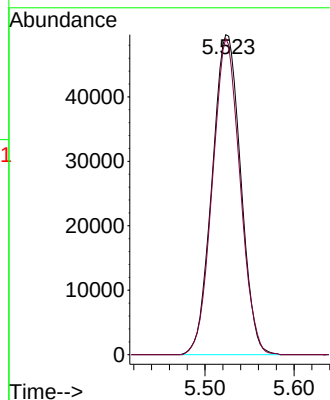
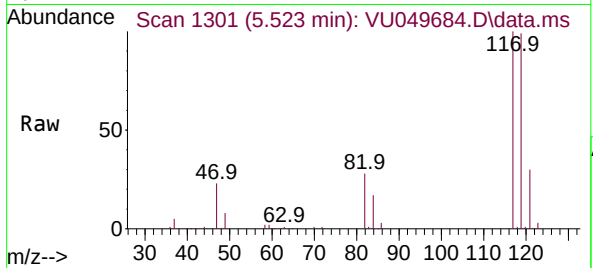




#31
Carbon tetrachloride
Concen: 43.558 ug/L
RT: 5.523 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

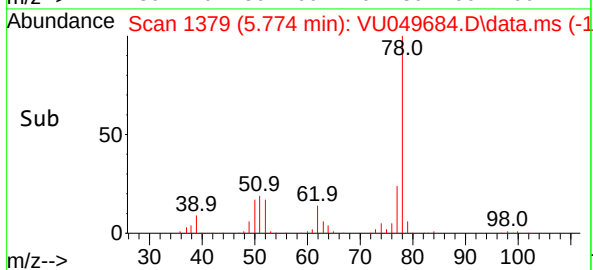
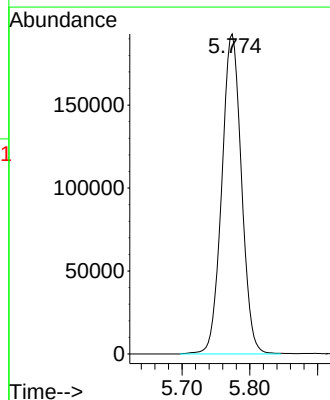
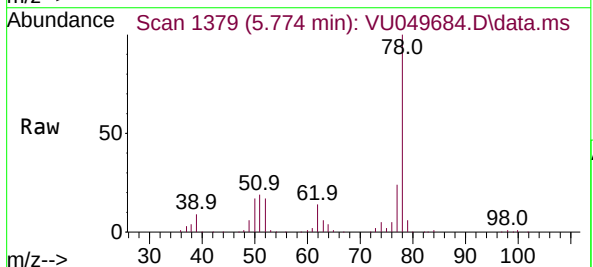
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

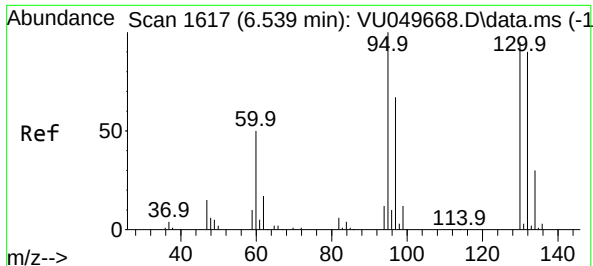
Tgt Ion:117 Resp: 110374
Ion Ratio Lower Upper
117 100
119 95.4 75.8 113.8



#33
Benzene
Concen: 48.384 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

Tgt Ion: 78 Resp: 389199





#34

Trichloroethene

Concen: 46.064 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD050158

Tgt Ion: 95 Resp: 89569

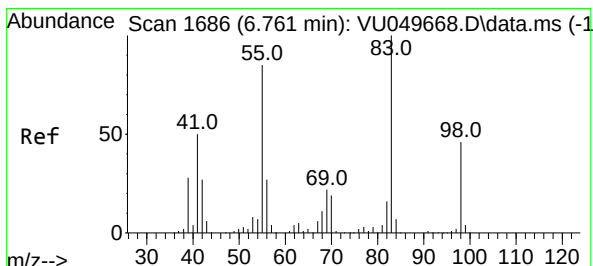
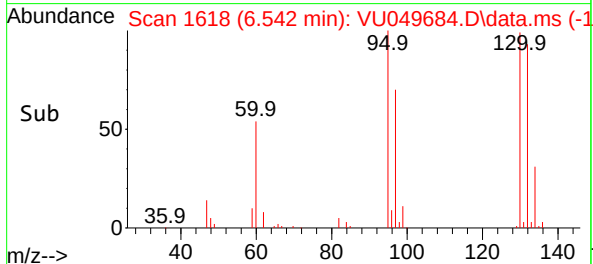
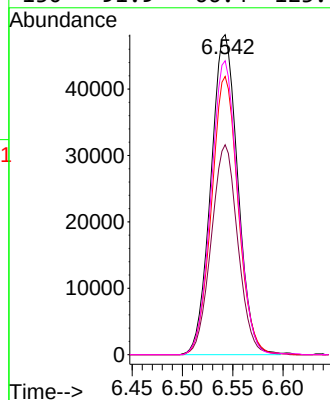
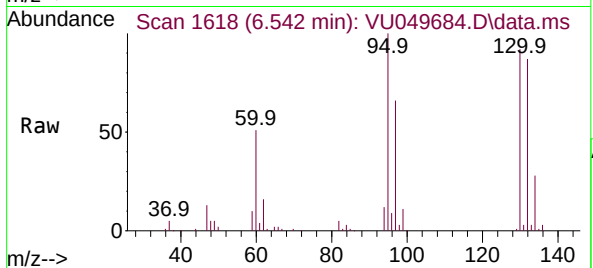
Ion Ratio Lower Upper

95 100

97 65.6 46.9 87.1

132 87.0 62.7 116.5

130 91.9 66.4 123.4



#35

Methylcyclohexane

Concen: 40.851 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

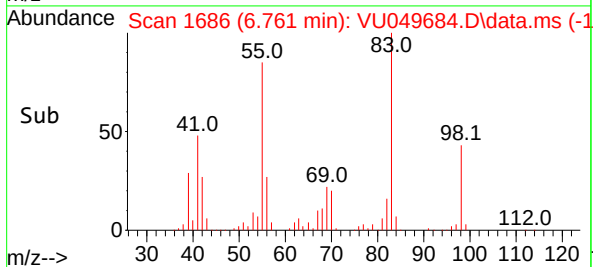
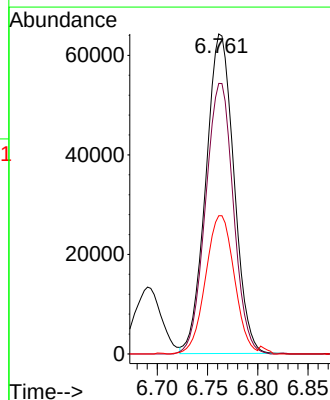
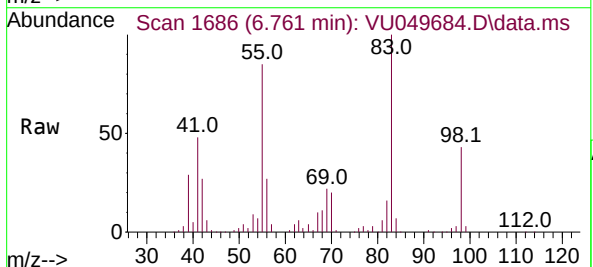
Tgt Ion: 83 Resp: 124821

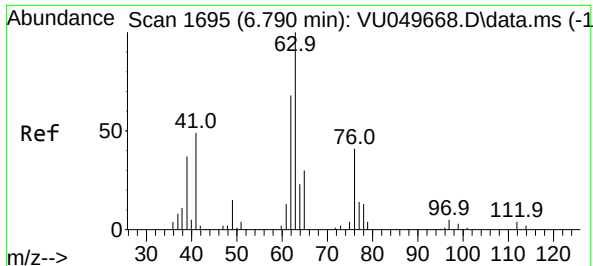
Ion Ratio Lower Upper

83 100

55 84.1 66.0 99.0

98 44.3 34.6 51.8

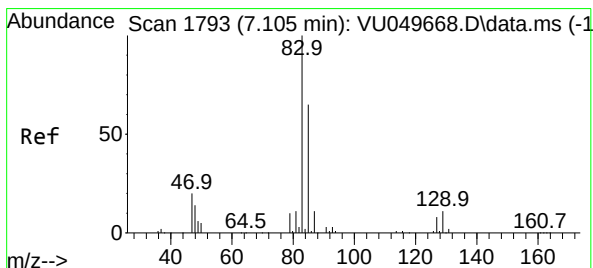
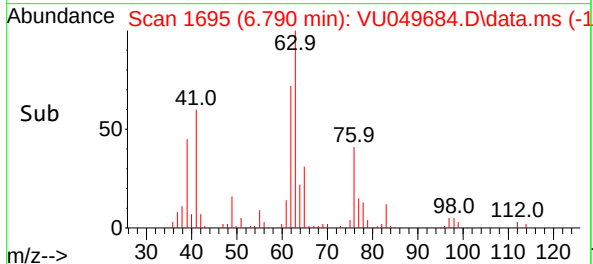
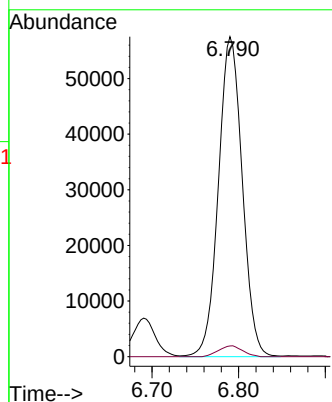
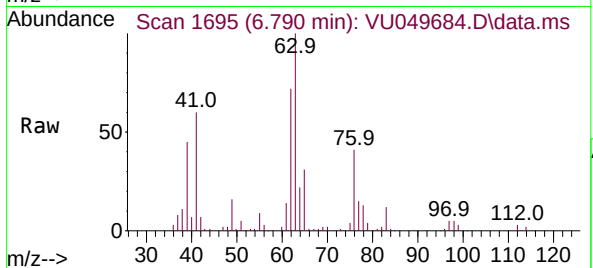




#37
1,2-Dichloropropane
Concen: 49.337 ug/L
RT: 6.790 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

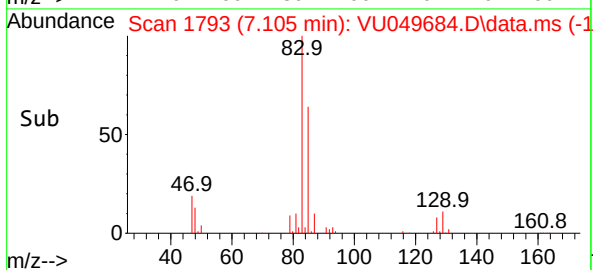
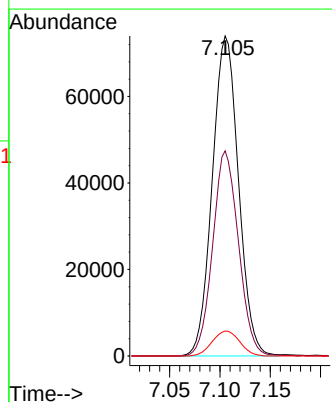
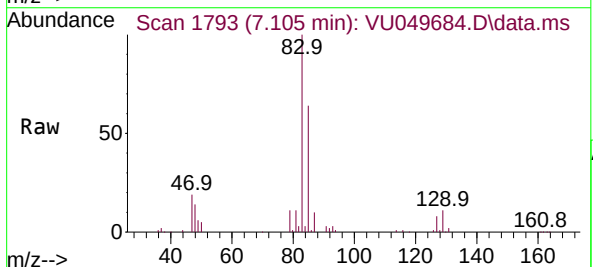
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

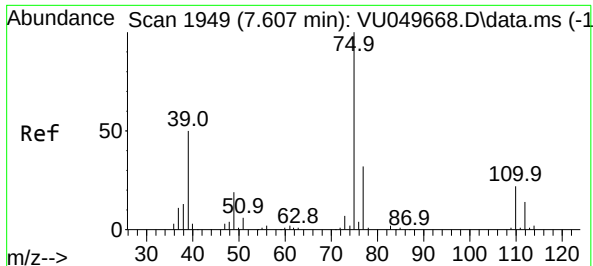
Tgt Ion: 63 Resp: 110002
Ion Ratio Lower Upper
63 100
112 3.4 2.8 4.2



#38
Bromodichloromethane
Concen: 48.549 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

Tgt Ion: 83 Resp: 134207
Ion Ratio Lower Upper
83 100
85 64.1 45.4 84.2
127 7.8 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 49.681 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

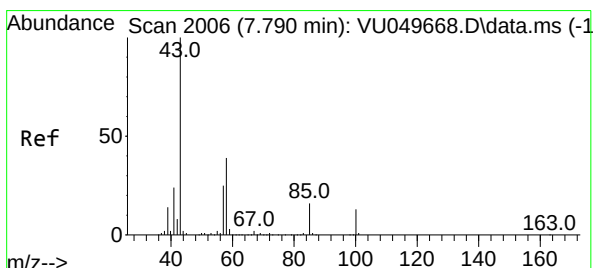
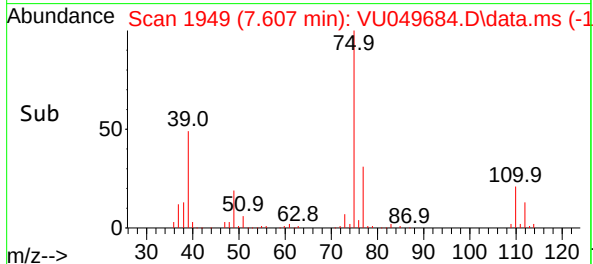
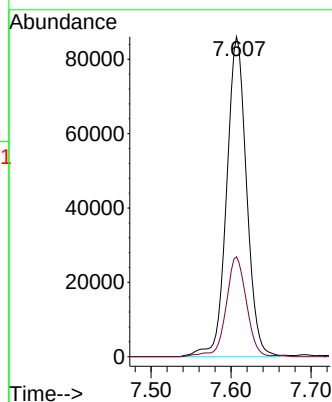
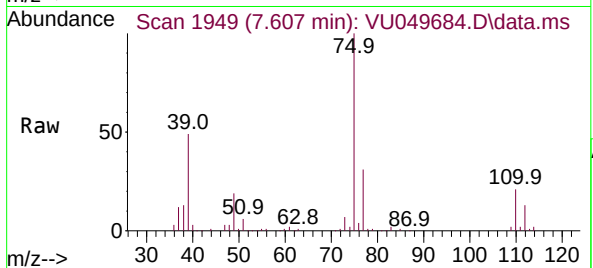
VSTD050158

Tgt Ion: 75 Resp: 149392

Ion Ratio Lower Upper

75 100

77 31.2 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 106.543 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

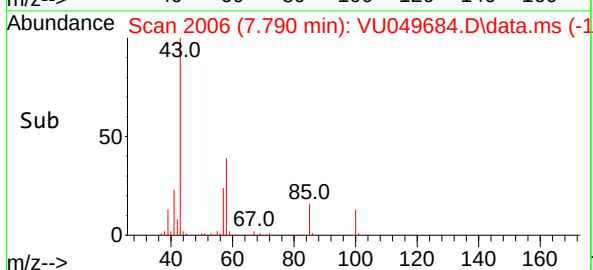
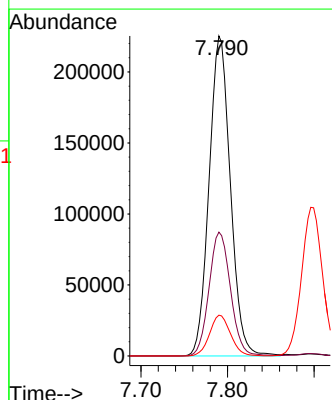
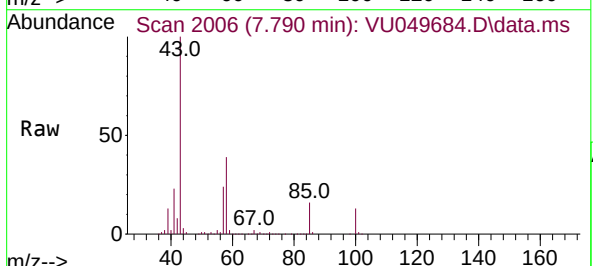
Tgt Ion: 43 Resp: 384564

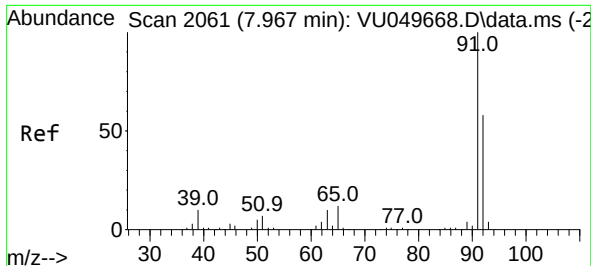
Ion Ratio Lower Upper

43 100

58 39.1 31.4 47.0

100 12.6 10.3 15.5





#42

Toluene

Concen: 47.582 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

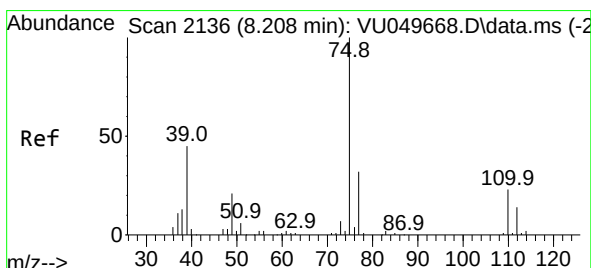
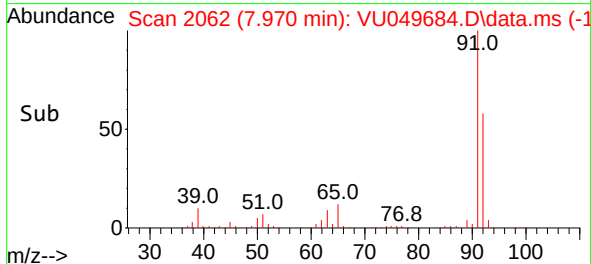
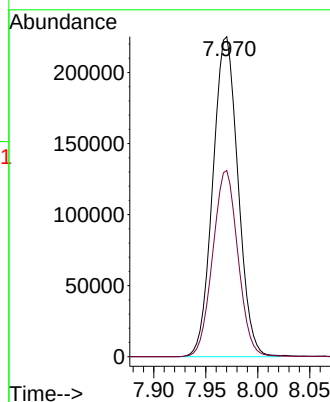
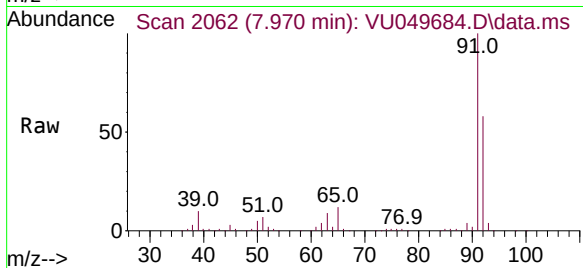
VSTD050158

Tgt Ion: 91 Resp: 380408

Ion Ratio Lower Upper

91 100

92 58.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 48.450 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU049684.D

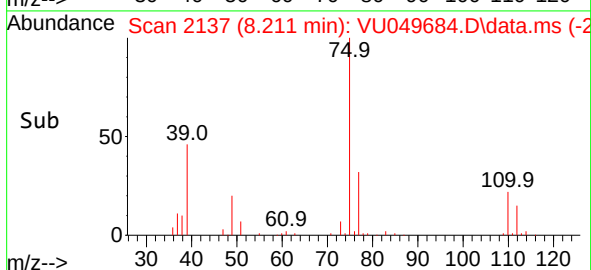
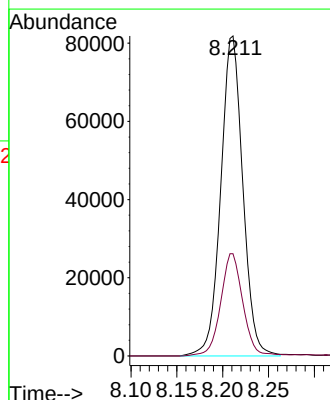
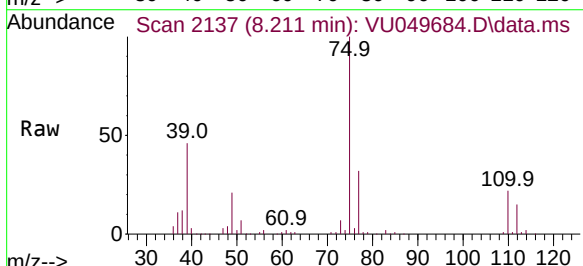
Acq: 11 Jul 2022 18:30

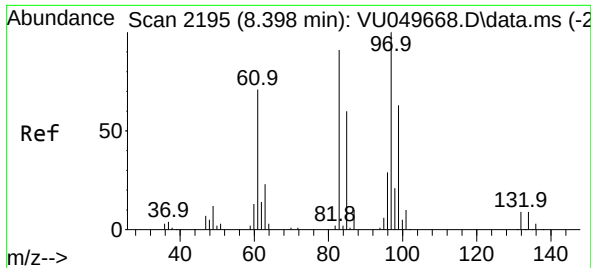
Tgt Ion: 75 Resp: 136794

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.9

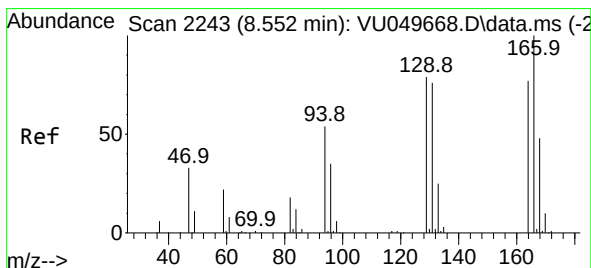
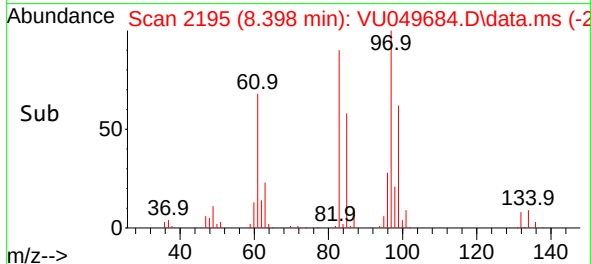
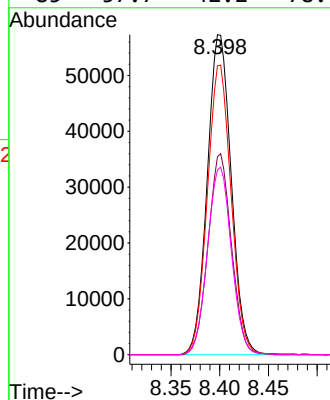
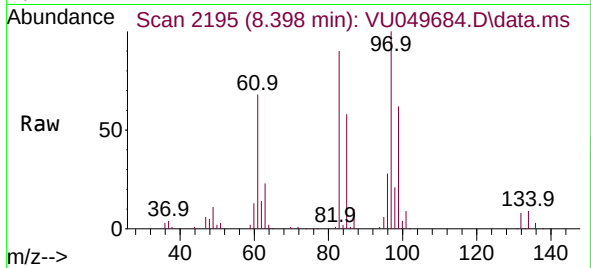




#45
1,1,2-Trichloroethane
Concen: 50.490 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

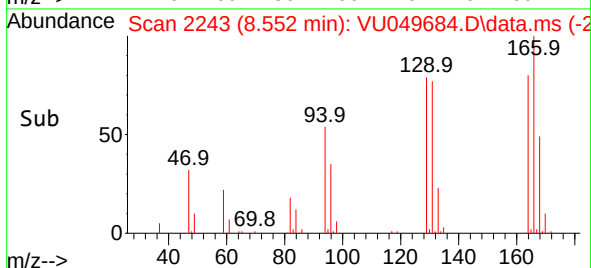
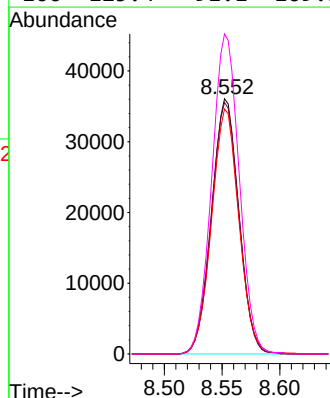
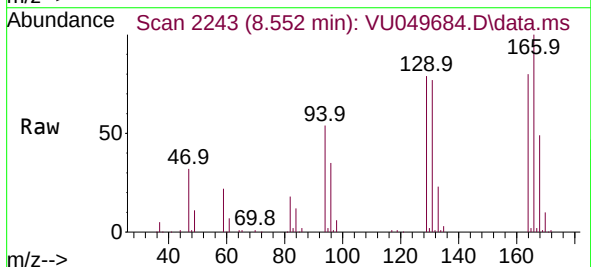
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

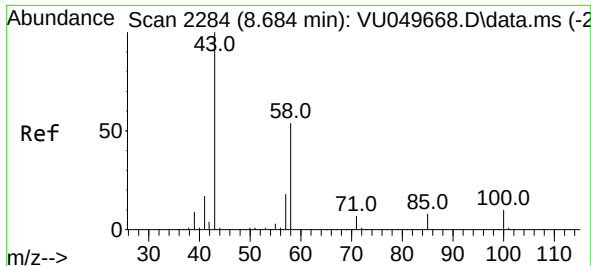
Tgt Ion:	97	Resp:	98260
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.3	82.3
83	90.3	64.0	118.8
85	57.7	42.2	78.4



#46
Tetrachloroethene
Concen: 43.875 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

Tgt Ion:	164	Resp:	59169
Ion	Ratio	Lower	Upper
164	100		
129	98.6	72.0	133.8
131	95.9	69.0	128.1
166	125.4	91.1	169.3

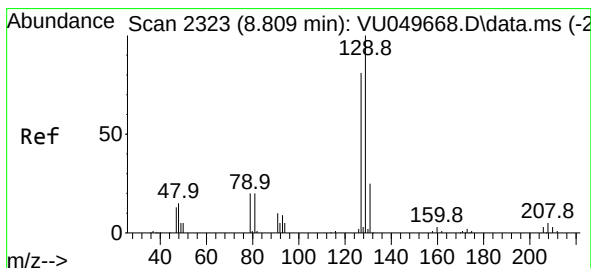
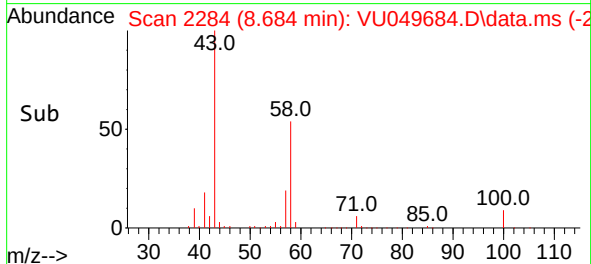
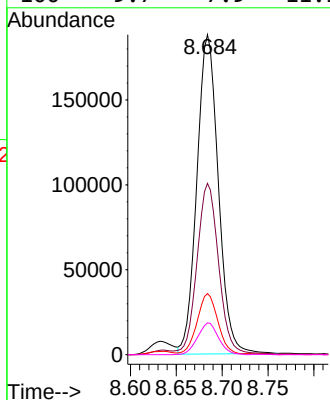
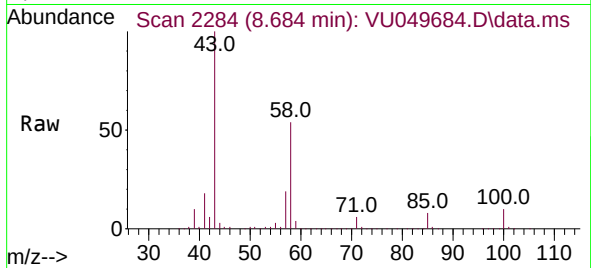




#48
2-Hexanone
Concen: 106.237 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

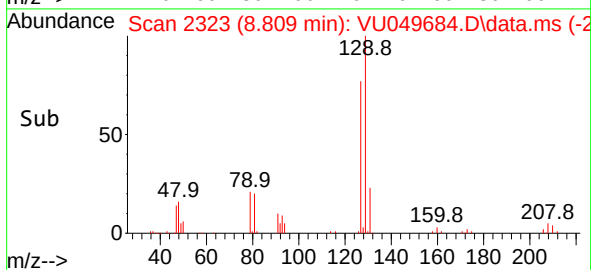
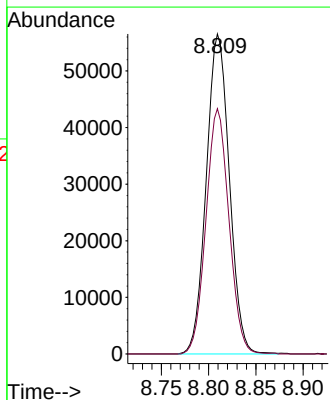
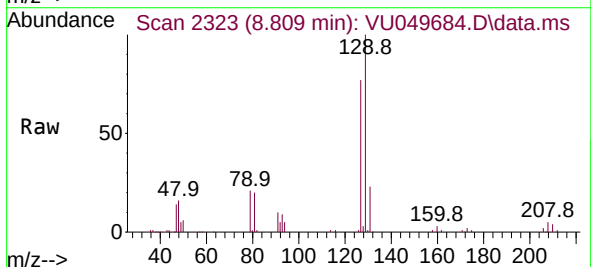
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

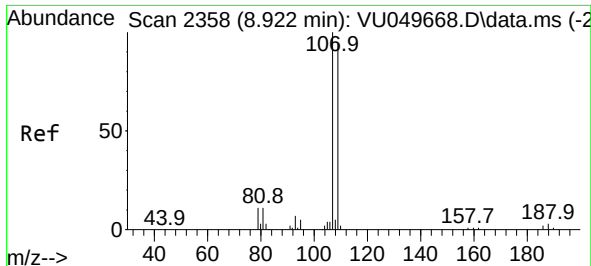
Tgt Ion:	43	Resp:	306430
Ion	Ratio	Lower	Upper
43	100		
58	54.0	42.6	64.0
57	18.0	15.0	22.6
100	9.7	7.9	11.9



#49
Dibromochloromethane
Concen: 49.109 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

Tgt Ion:	129	Resp:	96126
Ion	Ratio	Lower	Upper
129	100		
127	76.7	56.9	105.7





#50

1,2-Dibromoethane

Concen: 49.914 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD050158

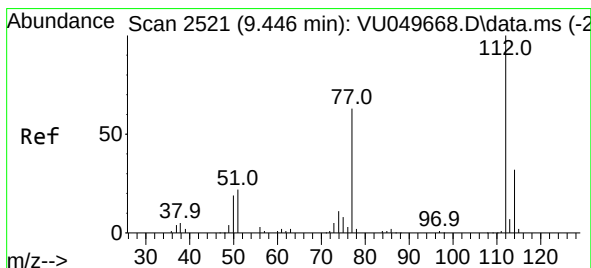
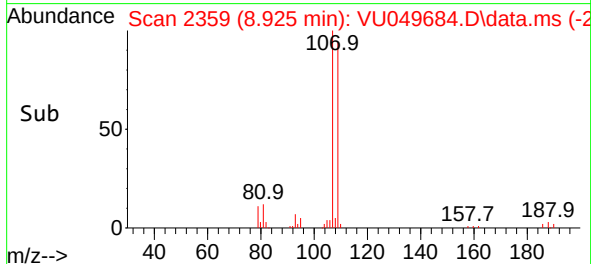
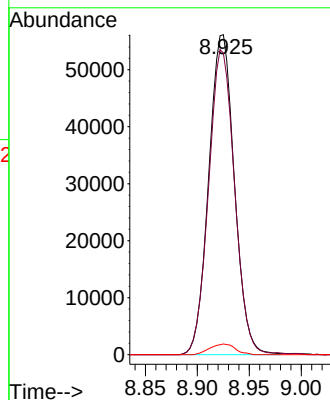
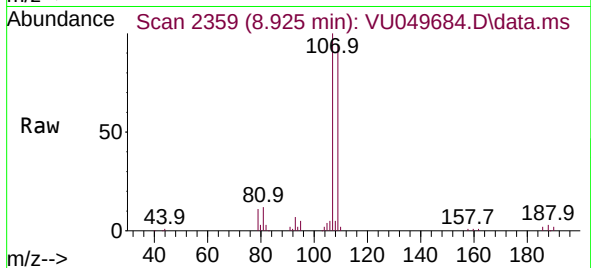
Tgt Ion:107 Resp: 96494

Ion Ratio Lower Upper

107 100

109 94.2 65.7 121.9

188 3.4 2.7 4.1



#51

Chlorobenzene

Concen: 47.041 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

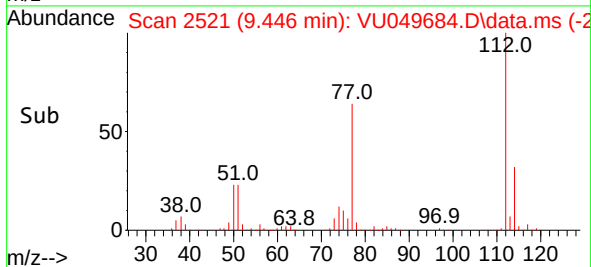
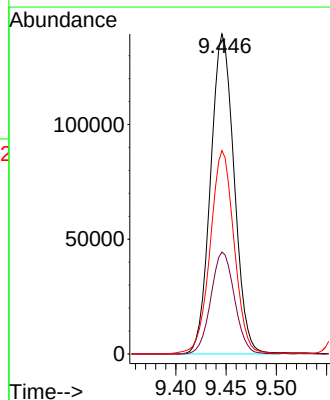
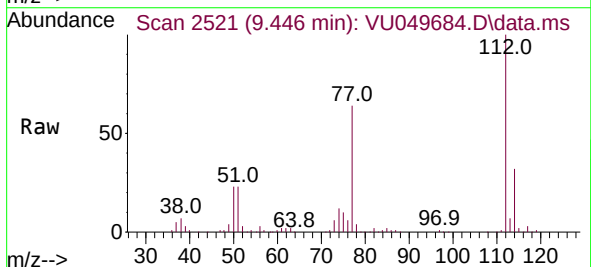
Tgt Ion:112 Resp: 227746

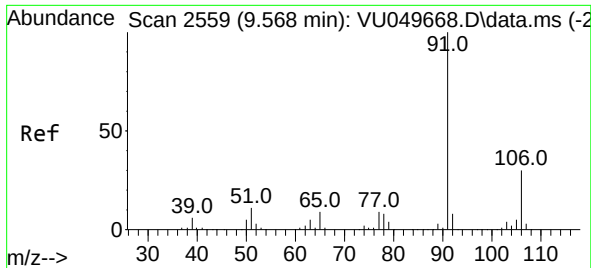
Ion Ratio Lower Upper

112 100

114 31.8 22.1 41.1

77 63.6 51.2 76.8

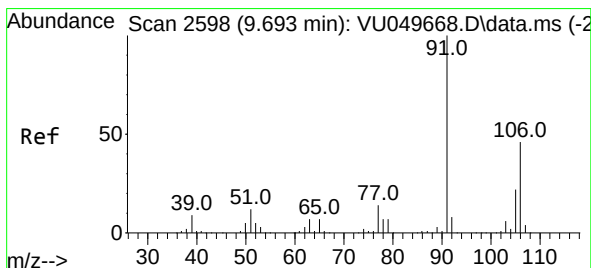
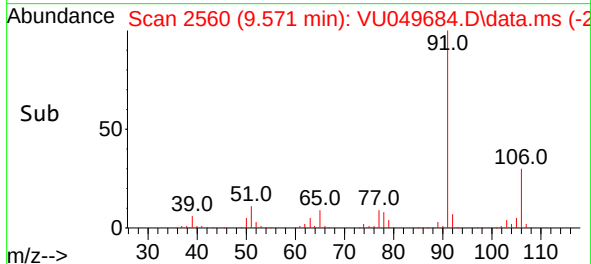
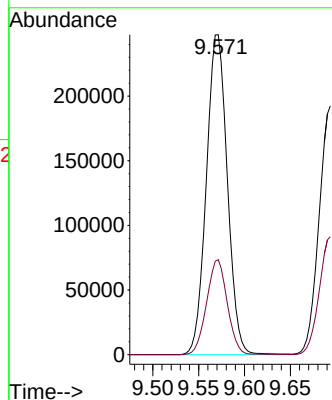
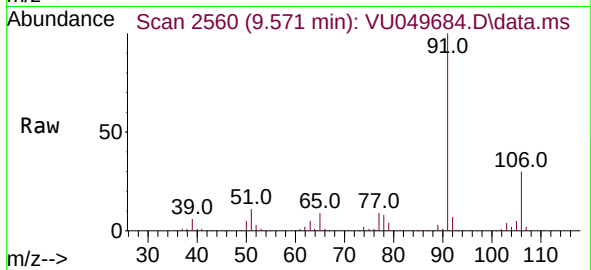




#52
Ethylbenzene
Concen: 46.727 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

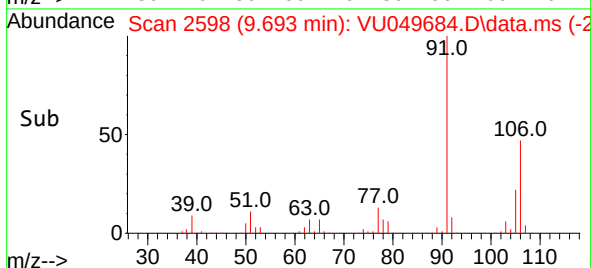
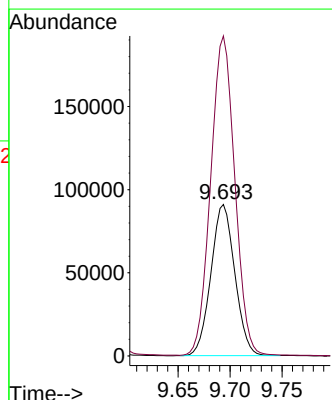
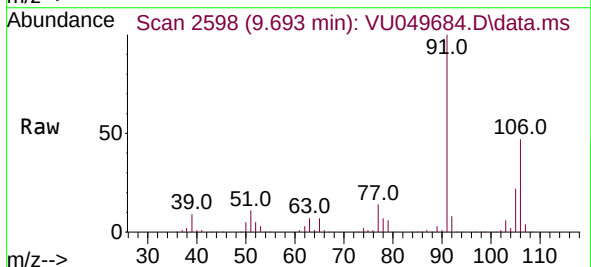
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

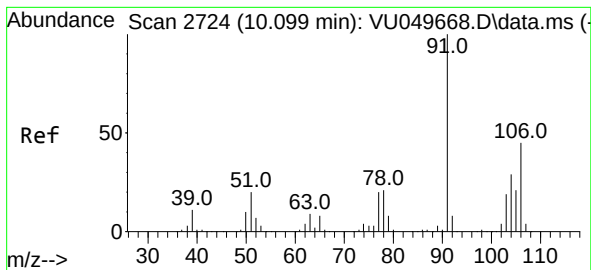
Tgt Ion: 91 Resp: 394208
Ion Ratio Lower Upper
91 100
106 29.7 21.0 39.0



#53
m,p-Xylene
Concen: 47.452 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

Tgt Ion: 106 Resp: 145569
Ion Ratio Lower Upper
106 100
91 211.1 151.7 281.7





#54

o-Xylene

Concen: 48.240 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. 0.000 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

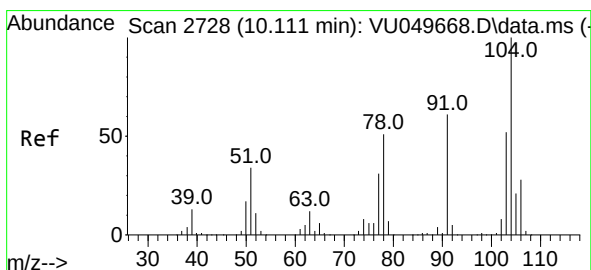
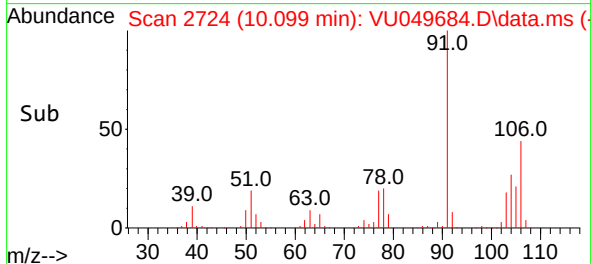
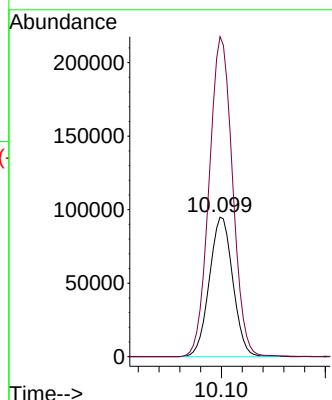
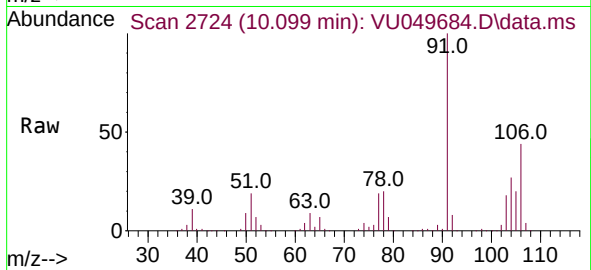
VSTD050158

Tgt Ion:106 Resp: 149009

Ion Ratio Lower Upper

106 100

91 229.2 156.9 291.5



#55

Styrene

Concen: 49.386 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU049684.D

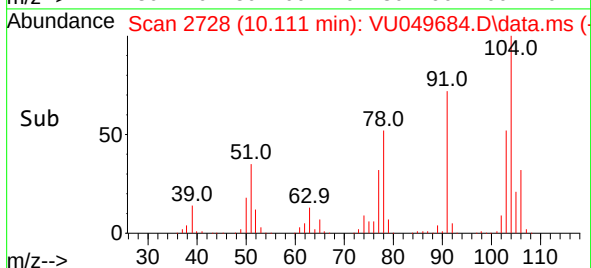
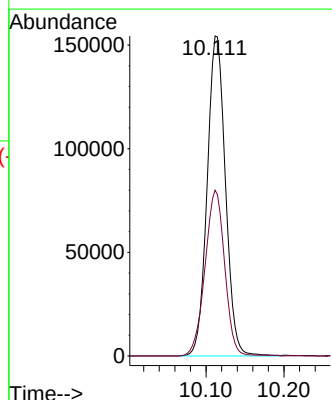
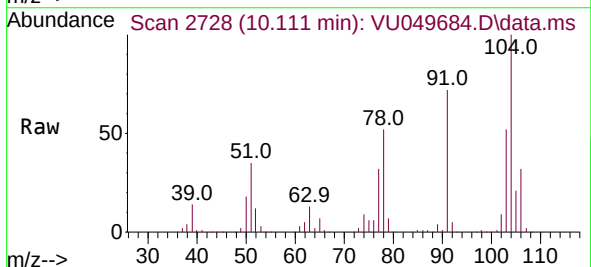
Acq: 11 Jul 2022 18:30

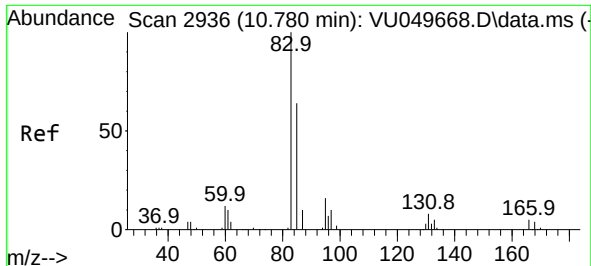
Tgt Ion:104 Resp: 251753

Ion Ratio Lower Upper

104 100

78 51.8 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 49.656 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD050158

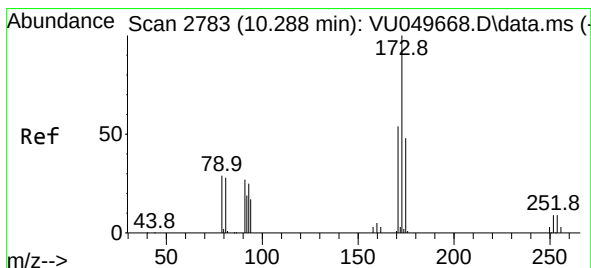
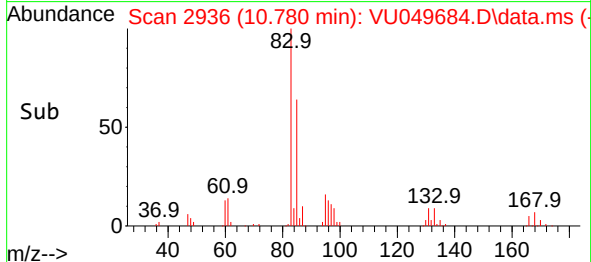
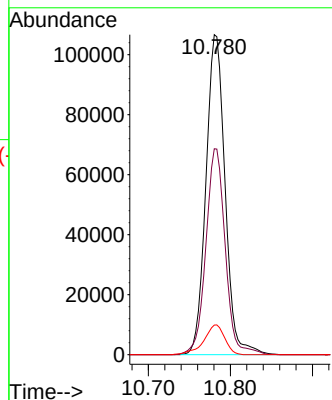
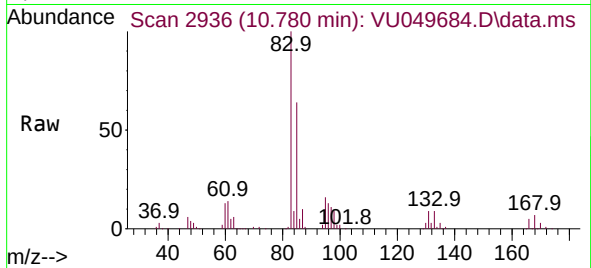
Tgt Ion: 83 Resp: 172986

Ion Ratio Lower Upper

83 100

85 64.4 45.0 83.6

131 9.3 7.0 10.6



#59

Bromoform

Concen: 49.826 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.003 min

Lab File: VU049684.D

Acq: 11 Jul 2022 18:30

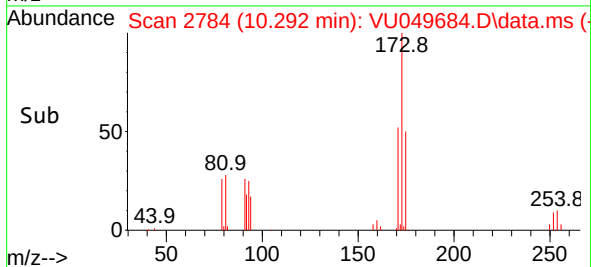
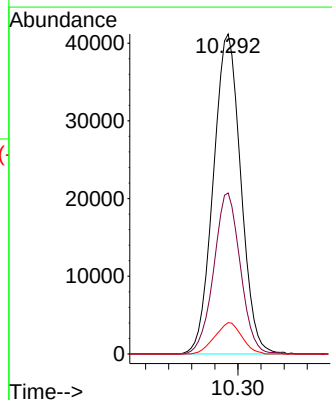
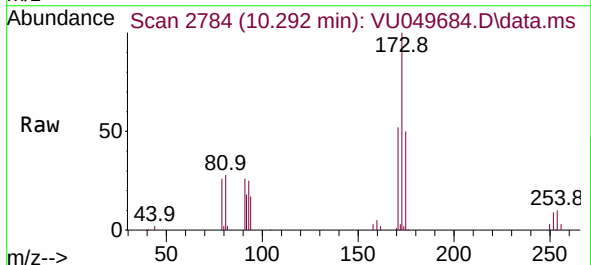
Tgt Ion:173 Resp: 68010

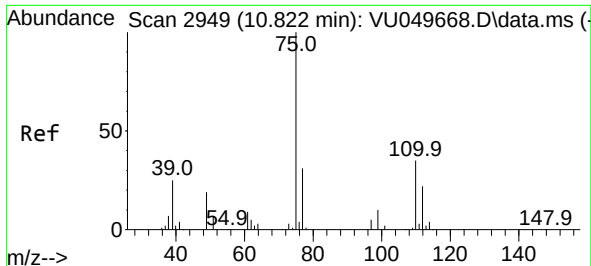
Ion Ratio Lower Upper

173 100

175 48.7 38.6 58.0

254 9.6 7.4 11.0

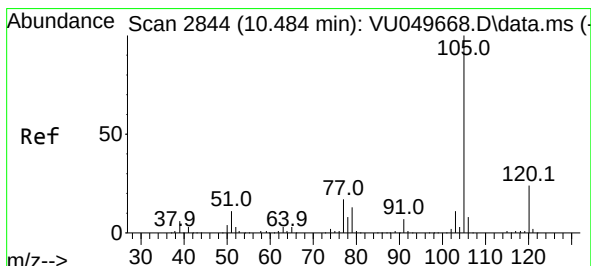
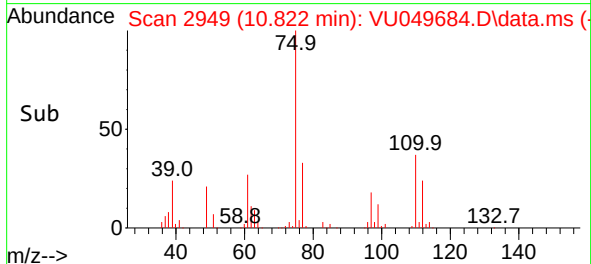
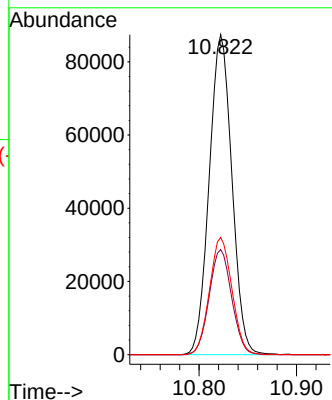
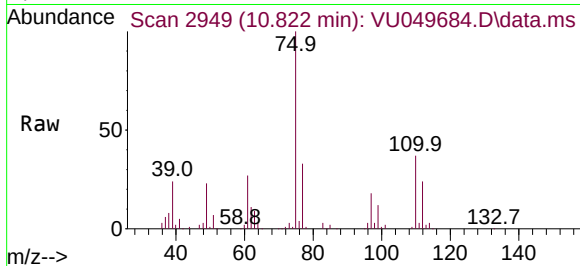




#60
1,2,3-Trichloropropane
Concen: 52.133 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

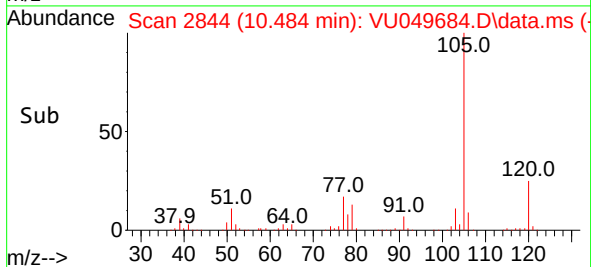
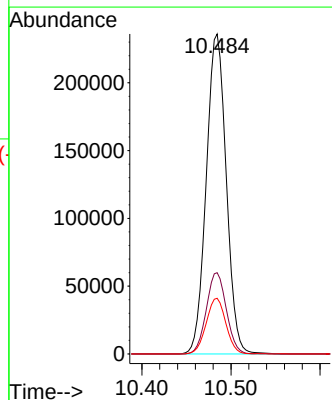
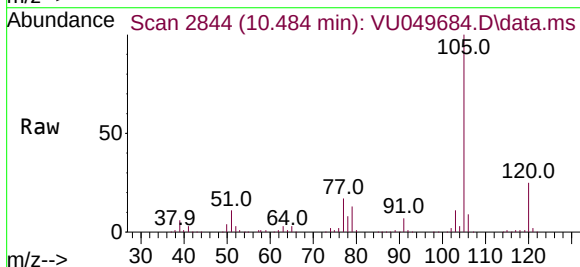
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

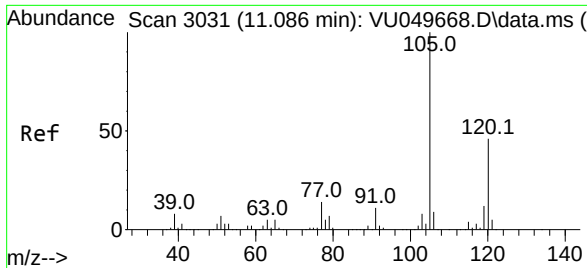
Tgt Ion: 75 Resp: 141316
Ion Ratio Lower Upper
75 100
77 32.6 25.5 38.3
110 36.2 28.9 43.3



#61
Isopropylbenzene
Concen: 48.374 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

Tgt Ion: 105 Resp: 367590
Ion Ratio Lower Upper
105 100
120 25.3 19.9 29.9
77 17.1 13.8 20.8

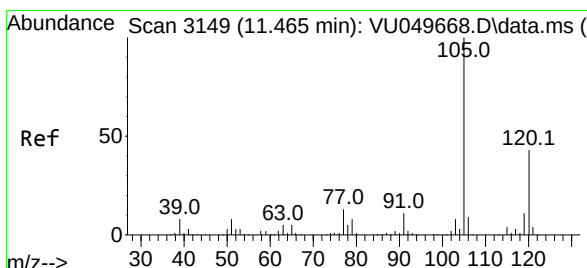
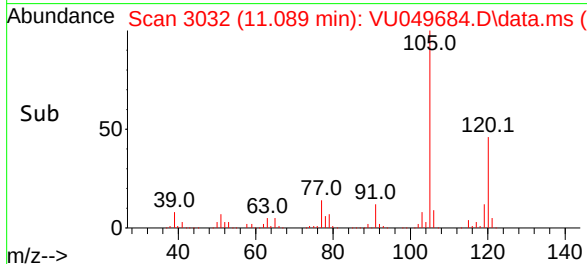
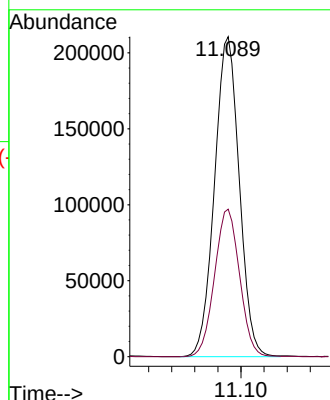
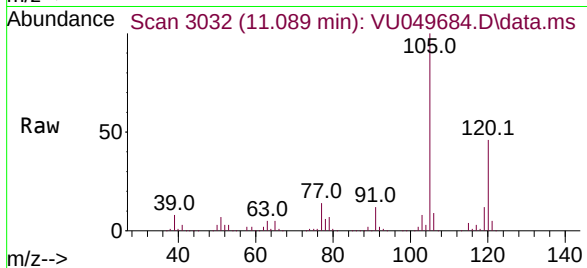




#62
 1,3,5-Trimethylbenzene
 Concen: 48.914 ug/L
 RT: 11.089 min Scan# 3031
 Delta R.T. 0.003 min
 Lab File: VU049684.D
 Acq: 11 Jul 2022 18:30

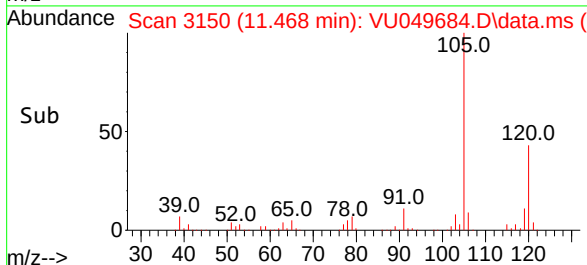
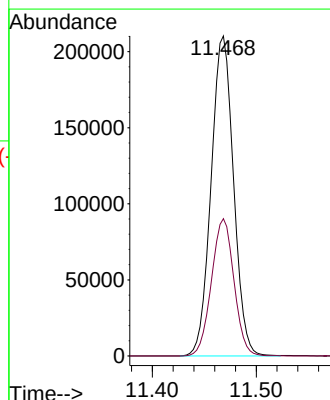
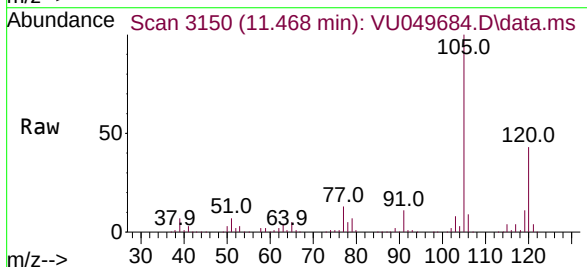
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050158

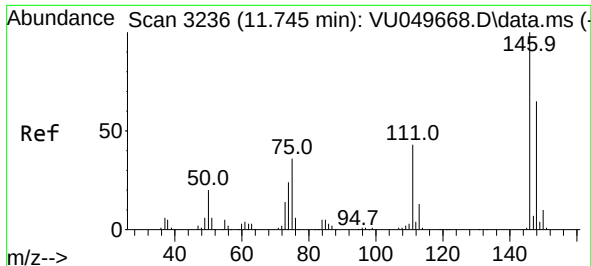
Tgt Ion:105 Resp: 313523
 Ion Ratio Lower Upper
 105 100
 120 46.6 36.8 55.2



#63
 1,2,4-Trimethylbenzene
 Concen: 49.561 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.003 min
 Lab File: VU049684.D
 Acq: 11 Jul 2022 18:30

Tgt Ion:105 Resp: 315591
 Ion Ratio Lower Upper
 105 100
 120 43.0 33.9 50.9

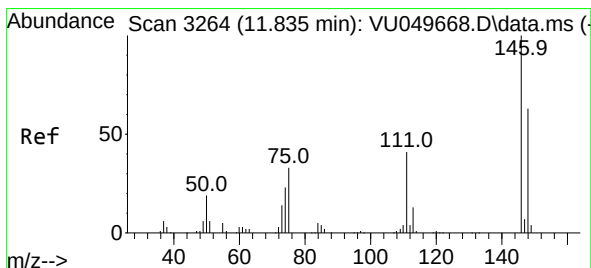
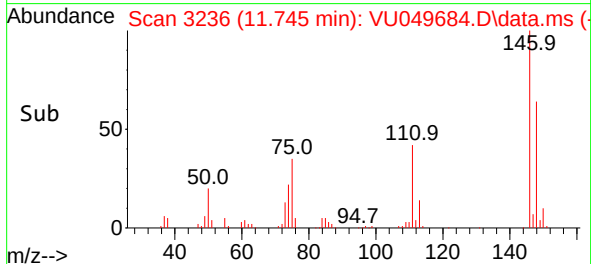
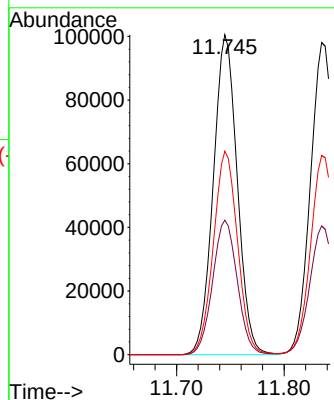
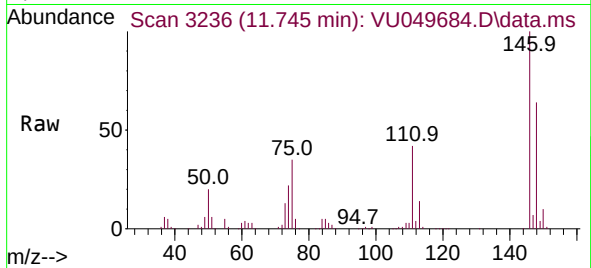




#64
1,3-Dichlorobenzene
Concen: 46.954 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

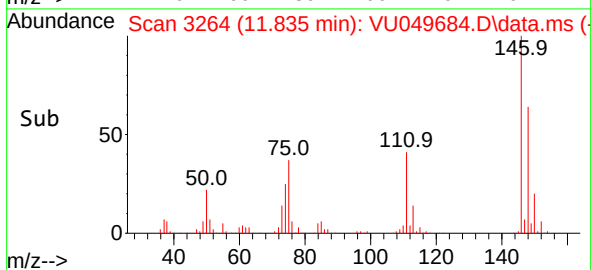
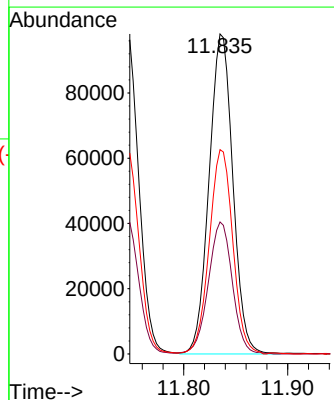
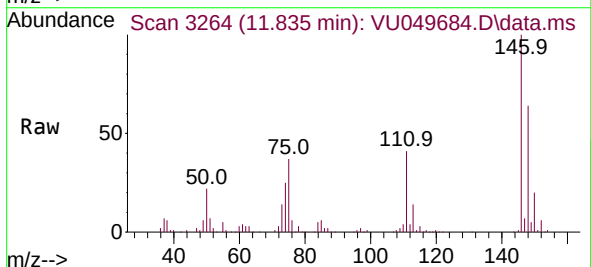
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

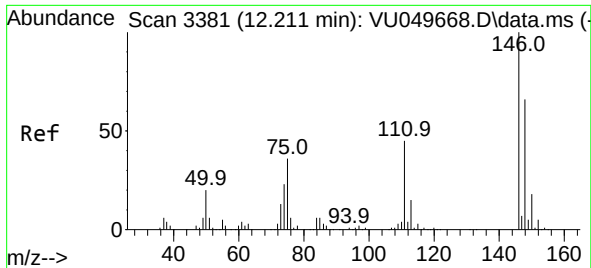
Tgt Ion:146 Resp: 155757
Ion Ratio Lower Upper
146 100
111 42.1 30.0 55.6
148 63.6 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 46.789 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

Tgt Ion:146 Resp: 155910
Ion Ratio Lower Upper
146 100
111 41.3 29.1 54.1
148 63.8 44.4 82.4

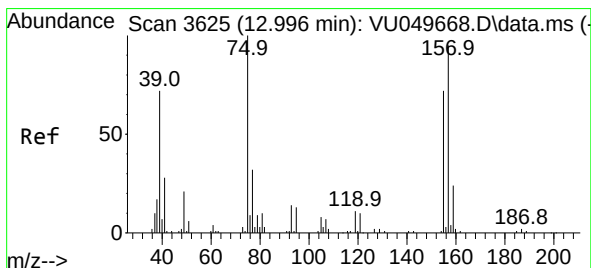
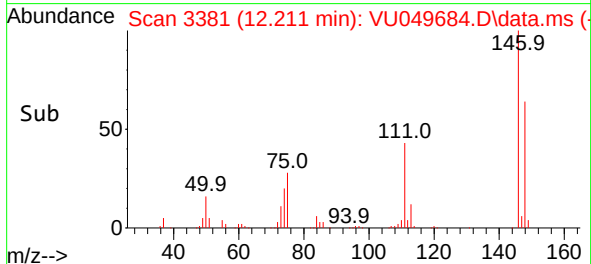
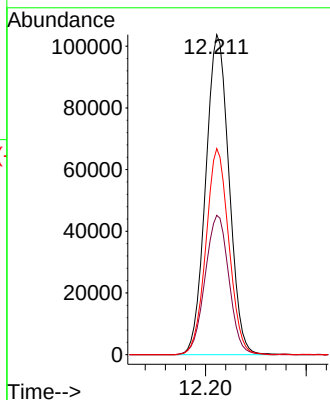
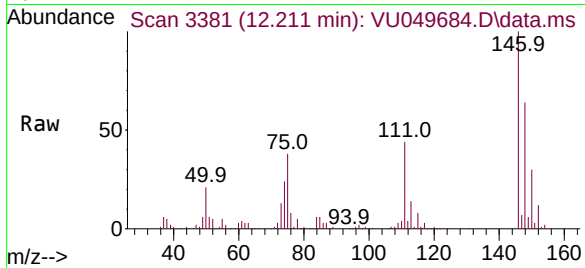




#67
1,2-Dichlorobenzene
Concen: 48.411 ug/L
RT: 12.211 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

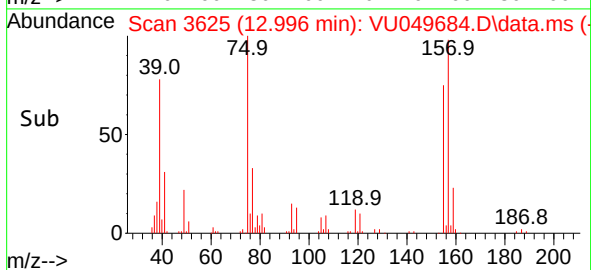
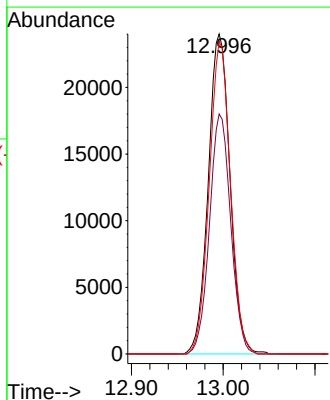
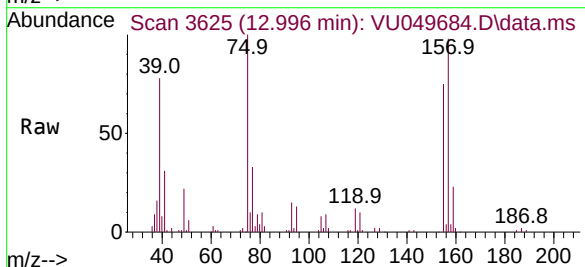
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

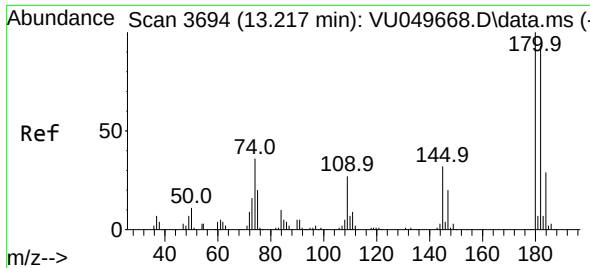
Tgt Ion:146 Resp: 166986
Ion Ratio Lower Upper
146 100
111 43.5 35.8 53.8
148 64.4 52.7 79.1



#68
1,2-Dibromo-3-chloropropane
Concen: 49.918 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

Tgt Ion: 75 Resp: 39648
Ion Ratio Lower Upper
75 100
155 75.0 57.7 86.5
157 97.6 75.6 113.4

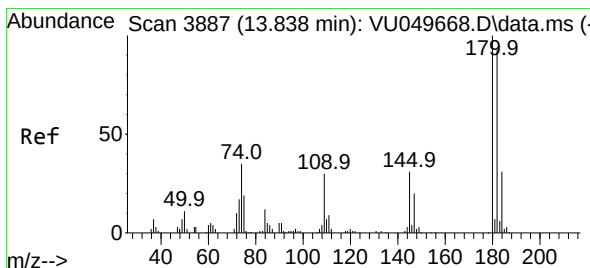
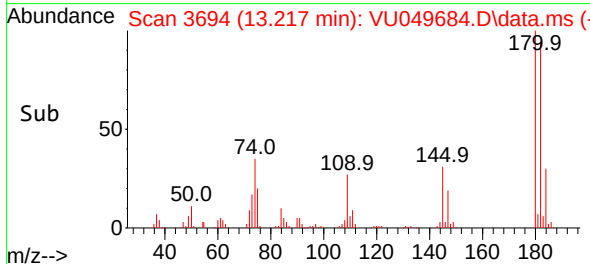
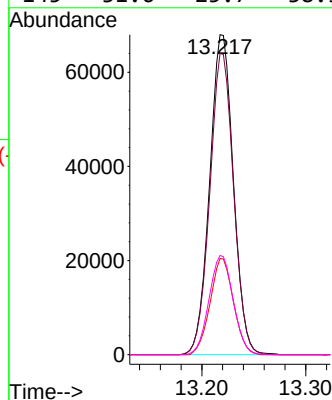
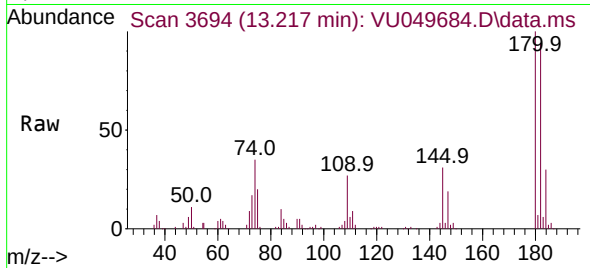




#69
 1,3,5-Trichlorobenzene
 Concen: 46.265 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU049684.D
 Acq: 11 Jul 2022 18:30

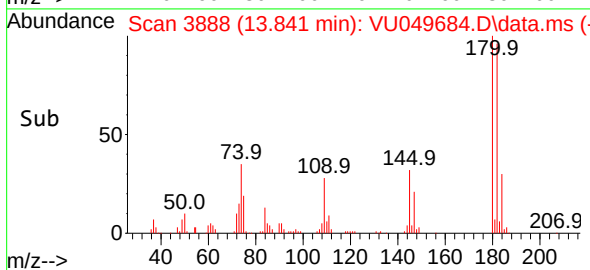
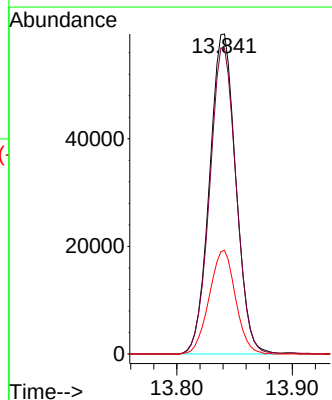
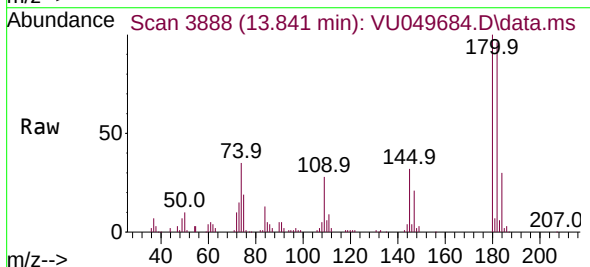
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050158

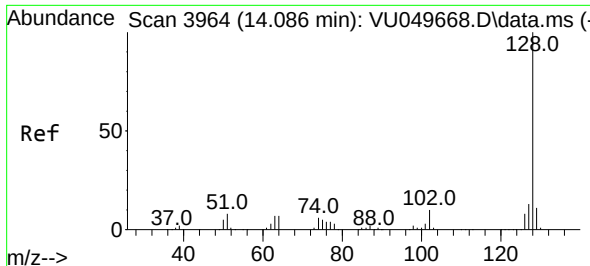
Tgt Ion:180 Resp: 107541
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.0 114.0
 184 29.7 24.0 36.0
 145 31.6 25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 44.194 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU049684.D
 Acq: 11 Jul 2022 18:30

Tgt Ion:180 Resp: 94271
 Ion Ratio Lower Upper
 180 100
 182 95.9 74.8 112.2
 145 32.3 24.7 37.1

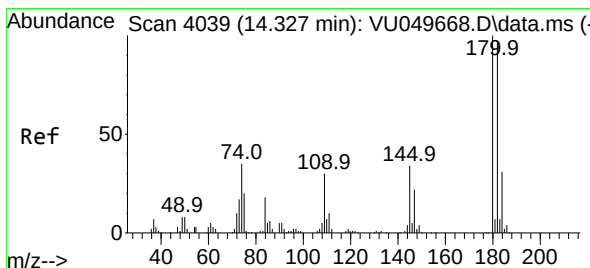
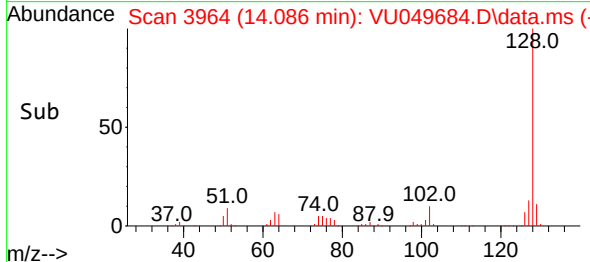
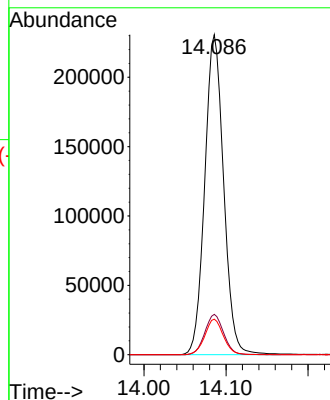
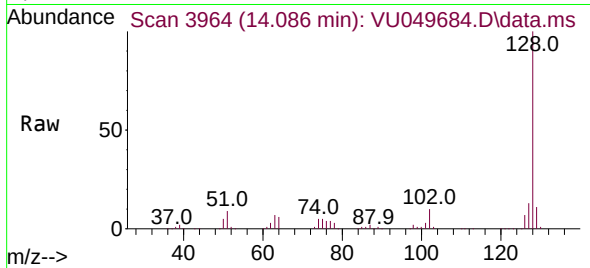




#71
Naphthalene
Concen: 48.369 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

Tgt Ion:128 Resp: 368837
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 46.776 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU049684.D
Acq: 11 Jul 2022 18:30

Tgt Ion:180 Resp: 103355
Ion Ratio Lower Upper
180 100
182 97.4 76.6 115.0
145 33.6 27.1 40.7

