

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
 Data File : VU053684.D
 Acq On : 13 Apr 2023 15:08
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005147

Quant Time: Apr 14 02:12:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 25 00:39:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	140479	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	136100	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	77922	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	58661	6.070	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	121.400%
7) Chloroethane-d5	1.909	69	44178	5.037	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.800%
11) 1,1-Dichloroethene-d2	2.562	65	20847	5.064	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.200%
20) 2-Butanone-d5	4.623	46	90826	41.025	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.060%
24) Chloroform-d	5.060	84	88553	4.943	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.700	65	43116	4.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.723	84	176128	4.566	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
36) 1,2-Dichloropropane-d6	6.687	67	53537	4.555	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.896	98	171989	4.727	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
43) trans-1,3-Dichloroprop...	8.176	79	22133	4.907	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.200%
46) 2-Hexanone-d5	8.629	63	82367	44.961	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.920%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	42280	4.322	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	60915	4.345	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	54413	5.397	ug/L	98
3) Chloromethane	1.517	50	59174	5.835	ug/L	100
5) Vinyl chloride	1.601	62	67424	5.896	ug/L	100
6) Bromomethane	1.855	94	42104	5.813	ug/L	98
8) Chloroethane	1.928	64	39039	5.873	ug/L	96
9) Trichlorofluoromethane	2.134	101	90985	5.269	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	51251	5.856	ug/L	97
12) 1,1-Dichloroethene	2.575	96	44442	5.588	ug/L	92
13) Acetone	2.633	43	71257	54.235	ug/L #	51
14) Carbon disulfide	2.787	76	119819	5.133	ug/L	98
15) Methyl Acetate	2.951	43	14913	4.839	ug/L	94
16) Methylene chloride	3.041	84	46928	4.493	ug/L	94
17) Methyl tert-butyl Ether	3.359	73	102100	5.295	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	45635	5.524	ug/L	91
19) 1,1-Dichloroethane	3.864	63	79424	5.219	ug/L	96
21) 2-Butanone	4.703	43	102307	50.148	ug/L	98
22) cis-1,2-Dichloroethene	4.662	96	50498	4.537	ug/L	91
23) Bromochloromethane	4.973	128	23393	5.938	ug/L	89
25) Chloroform	5.083	83	87575	5.594	ug/L	98

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 Data File : VU053684.D
 Acq On : 13 Apr 2023 15:08
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005147

Quant Time: Apr 14 02:12:05 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 25 00:39:08 2023
 Response via : Initial Calibration

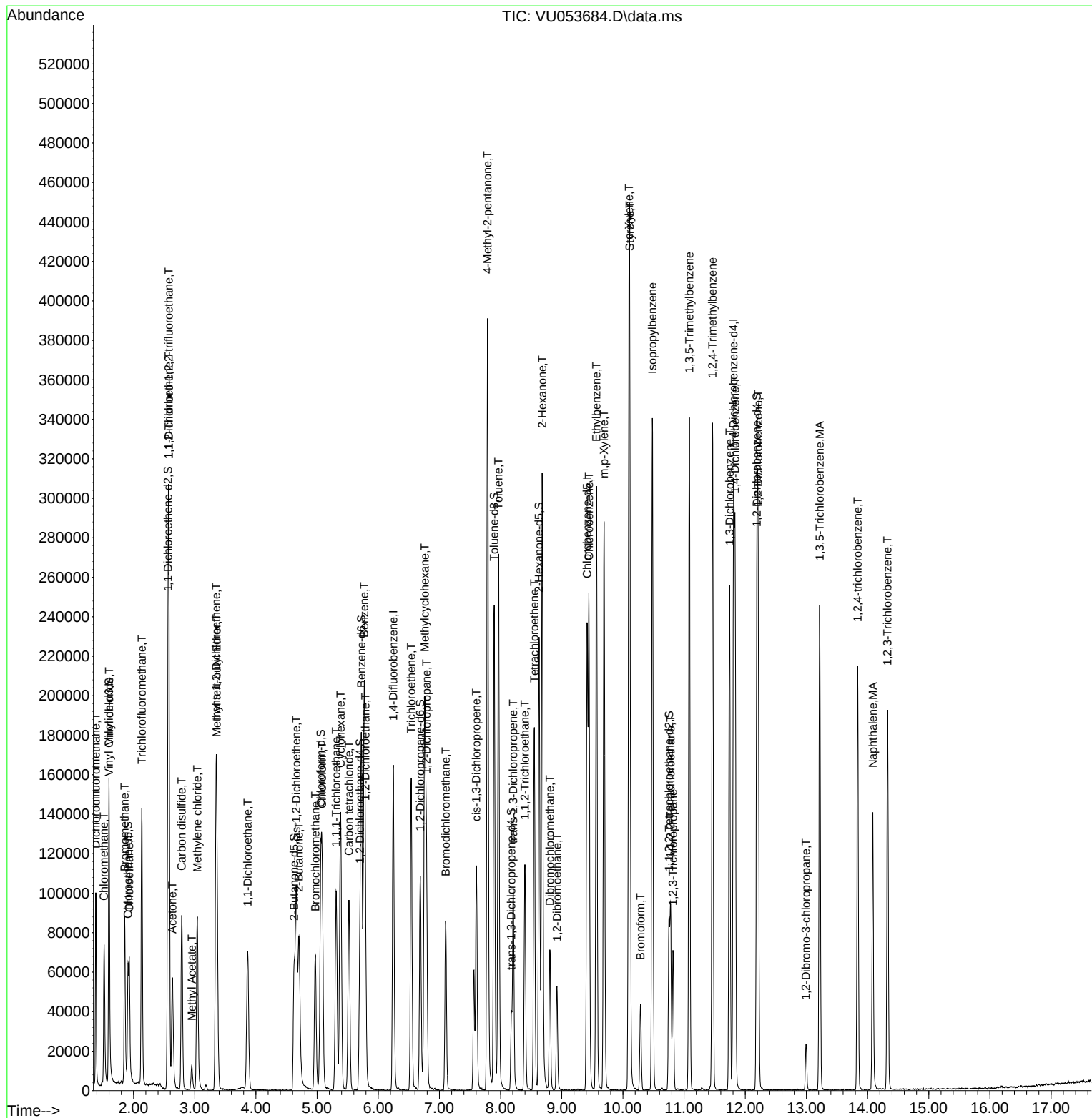
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	53712	5.477	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	74951	5.578	ug/L	96
30) Cyclohexane	5.385	56	67453	4.712	ug/L	95
31) Carbon tetrachloride	5.520	117	65140	5.729	ug/L	98
33) Benzene	5.771	78	187150	5.132	ug/L	100
34) Trichloroethene	6.539	95	51774	5.331	ug/L	89
35) Methylcyclohexane	6.761	83	82559	4.954	ug/L	98
37) 1,2-Dichloropropane	6.787	63	47332	4.916	ug/L	100
38) Bromodichloromethane	7.102	83	57213	5.350	ug/L #	97
39) cis-1,3-Dichloropropene	7.604	75	69331	4.874	ug/L	96
40) 4-Methyl-2-pentanone	7.787	43	234045	49.671	ug/L	98
42) Toluene	7.967	91	204999	5.145	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	58046	5.015	ug/L	95
45) 1,1,2-Trichloroethane	8.398	97	36826	5.387	ug/L	93
47) Tetrachloroethene	8.552	164	40093	5.619	ug/L	96
48) 2-Hexanone	8.681	43	183854	52.770	ug/L	97
49) Dibromochloromethane	8.806	129	37441	5.538	ug/L	97
50) 1,2-Dibromoethane	8.922	107	34210	5.181	ug/L	99
51) Chlorobenzene	9.446	112	132980	5.291	ug/L	100
52) Ethylbenzene	9.568	91	221107	5.091	ug/L	99
53) m,p-Xylene	9.693	106	86316	5.214	ug/L	100
54) o-Xylene	10.099	106	82449	5.248	ug/L	98
55) Styrene	10.111	104	139152	5.394	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	43401	5.027	ug/L	95
59) Bromoform	10.288	173	19367	4.827	ug/L	98
60) Isopropylbenzene	10.481	105	222948	4.710	ug/L	98
61) 1,2,3-Trichloropropane	10.819	75	30933	4.791	ug/L	96
62) 1,3,5-Trimethylbenzene	11.086	105	185828	4.838	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	188044	4.781	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	106132	5.100	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	108231	5.180	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	100964	5.118	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	5667	4.527	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.217	180	76116	5.240	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	65181	5.643	ug/L	99
71) Naphthalene	14.086	128	114982	5.284	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	59265	5.878	ug/L	99

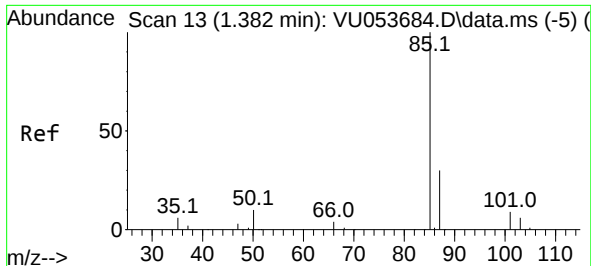
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Data File : VU053684.D
Acq On : 13 Apr 2023 15:08
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

Quant Time: Apr 14 02:12:05 2023
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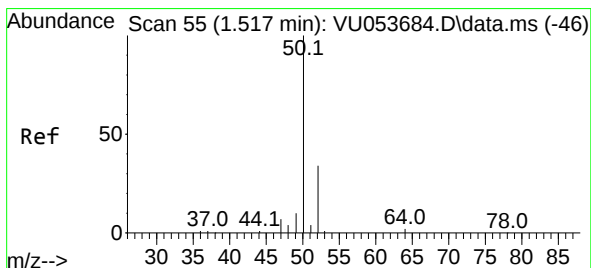
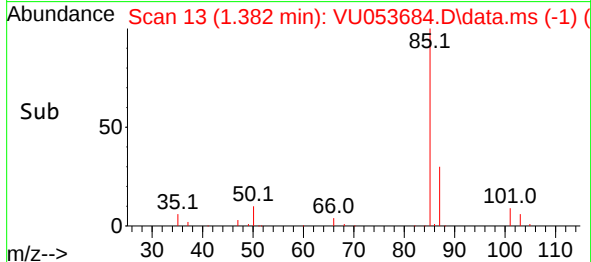
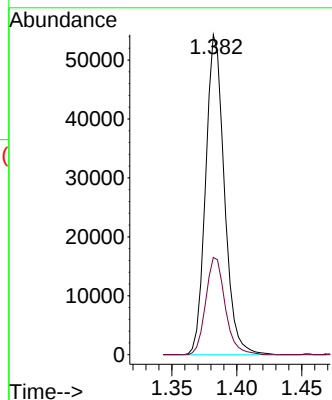
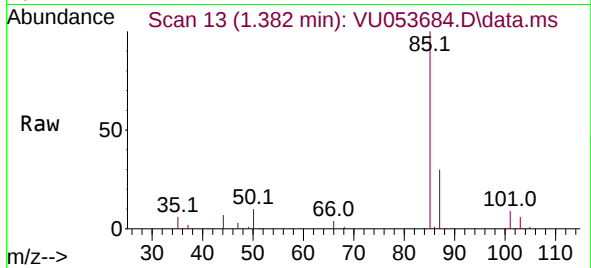




#2
 Dichlorodifluoromethane
 Concen: 5.397 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU053684.D
 Acq: 13 Apr 2023 15:08

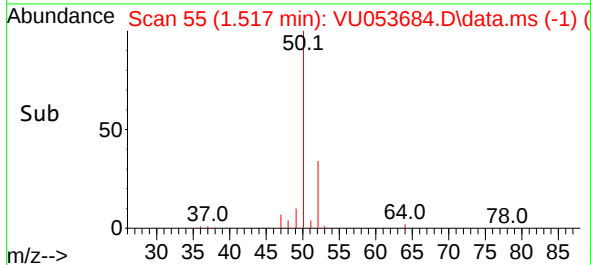
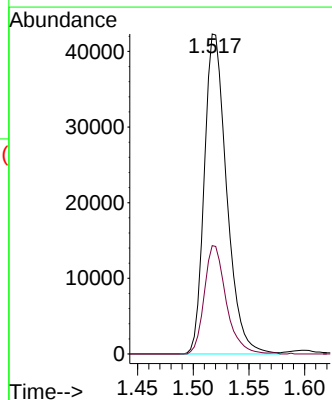
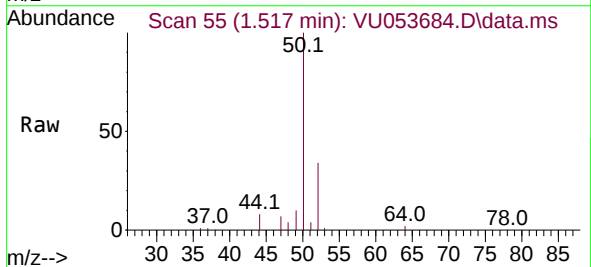
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005147

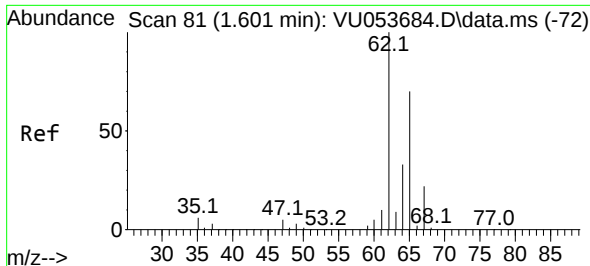
Tgt Ion: 85 Resp: 54413
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.1 39.1



#3
 Chloromethane
 Concen: 5.835 ug/L
 RT: 1.517 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VU053684.D
 Acq: 13 Apr 2023 15:08

Tgt Ion: 50 Resp: 59174
 Ion Ratio Lower Upper
 50 100
 52 33.9 23.9 44.3

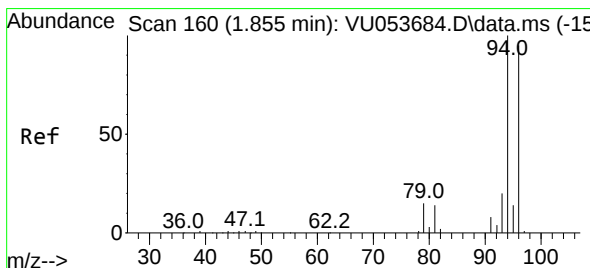
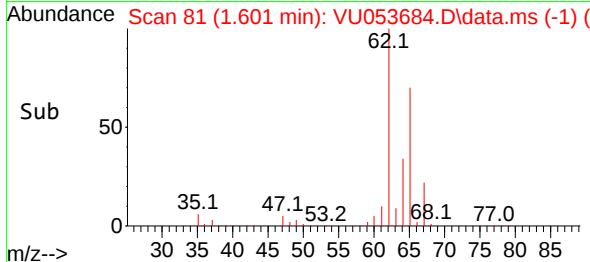
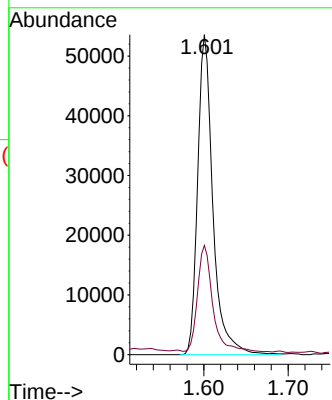
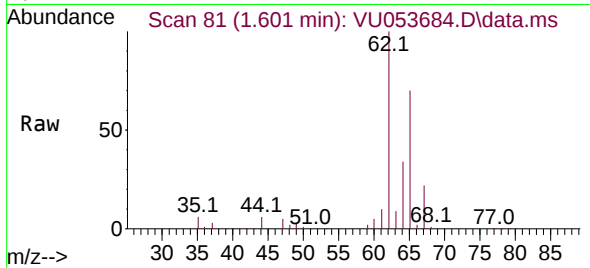




#5
 Vinyl chloride
 Concen: 5.896 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU053684.D
 Acq: 13 Apr 2023 15:08

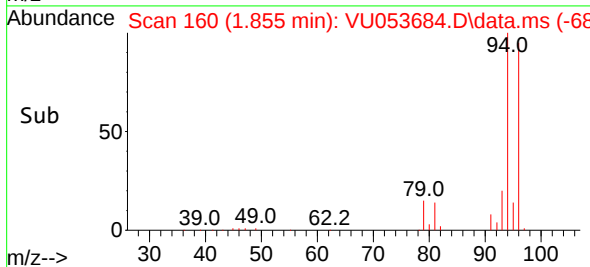
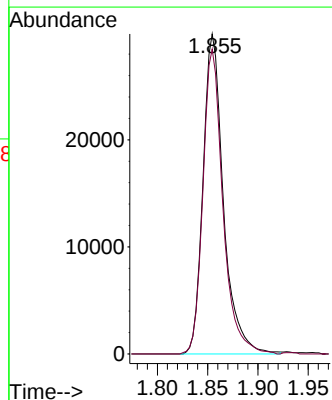
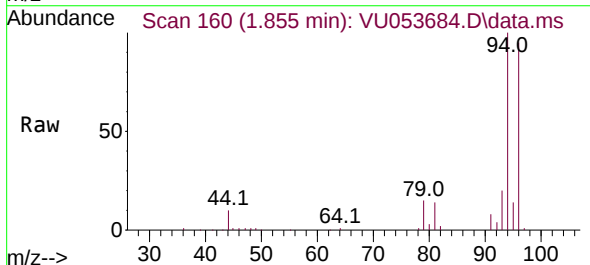
Instrument :
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 ClientSampleId :
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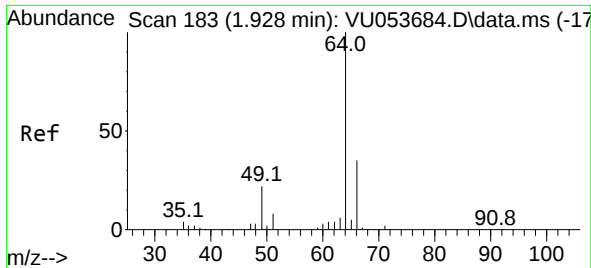
Tgt Ion: 62 Resp: 67424
 Ion Ratio Lower Upper
 62 100
 64 34.1 24.1 44.7



#6
 Bromomethane
 Concen: 5.813 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.003 min
 Lab File: VU053684.D
 Acq: 13 Apr 2023 15:08

Tgt Ion: 94 Resp: 42104
 Ion Ratio Lower Upper
 94 100
 96 95.3 68.3 126.8





#8

Chloroethane

Concen: 5.873 ug/L

RT: 1.928 min Scan# 183

Delta R.T. -0.006 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

Instrument :

MSVOA_U

ClientSampleId :

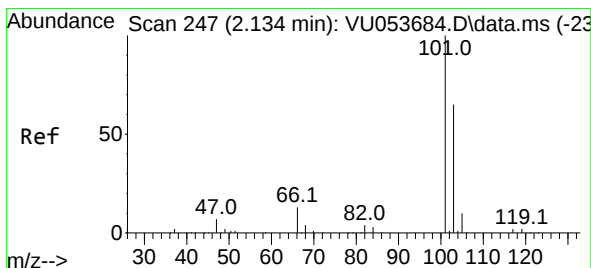
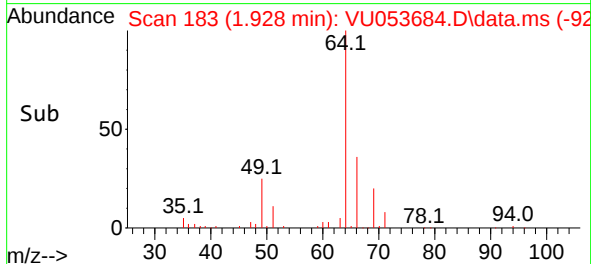
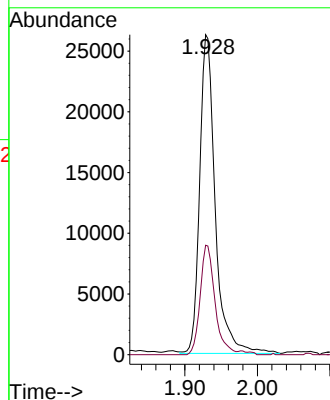
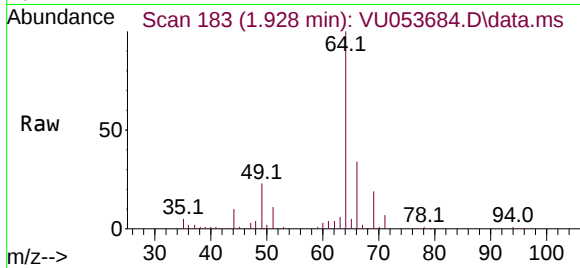
VSTD005147

Tgt Ion: 64 Resp: 39039

Ion Ratio Lower Upper

64 100

66 34.2 22.3 41.5



#9

Trichlorofluoromethane

Concen: 5.269 ug/L

RT: 2.134 min Scan# 247

Delta R.T. -0.003 min

Lab File: VU053684.D

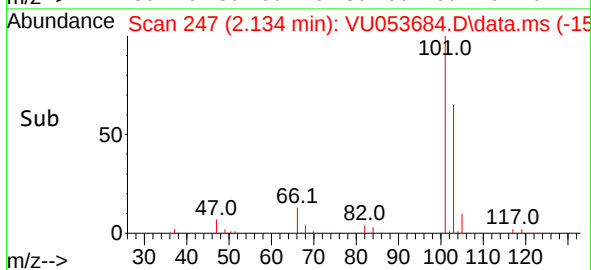
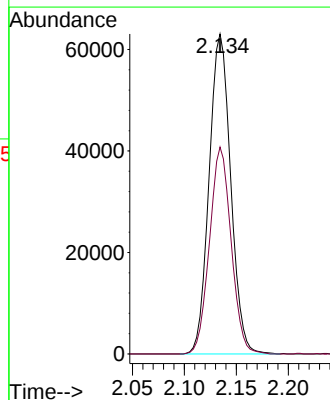
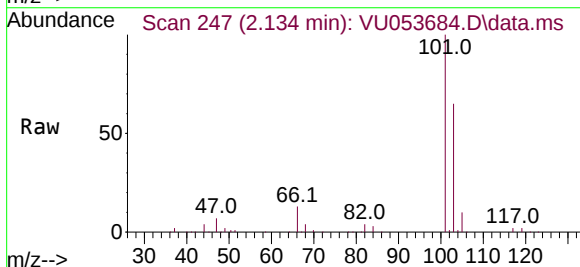
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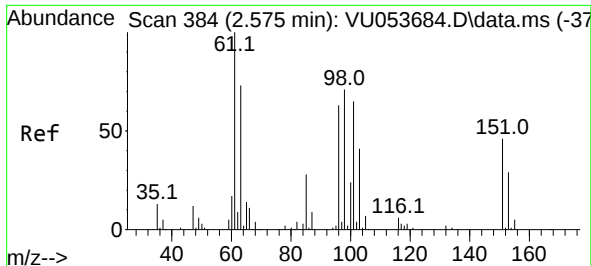
Tgt Ion:101 Resp: 90985

Ion Ratio Lower Upper

101 100

103 64.7 50.2 75.2

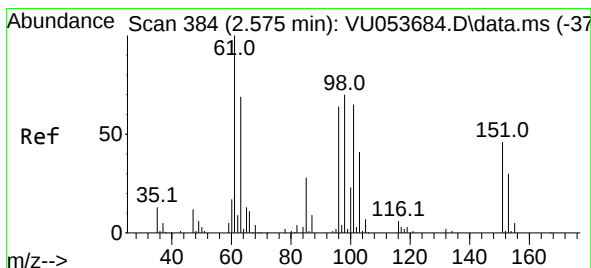
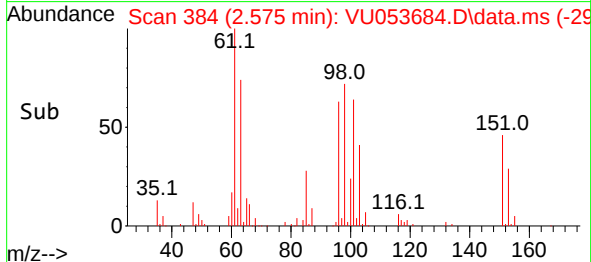
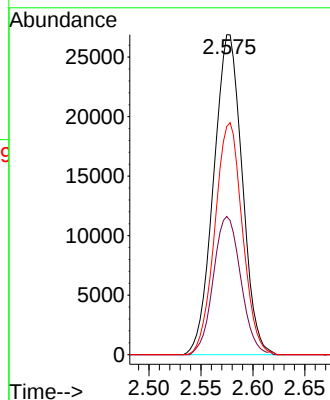
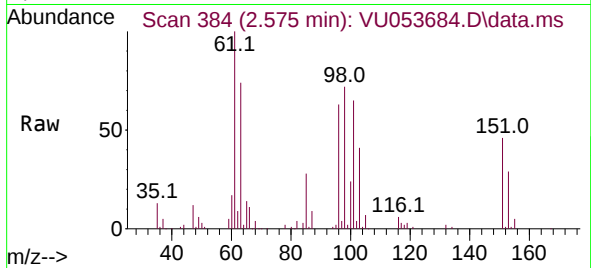




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.856 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU053684.D
 Acq: 13 Apr 2023 15:08

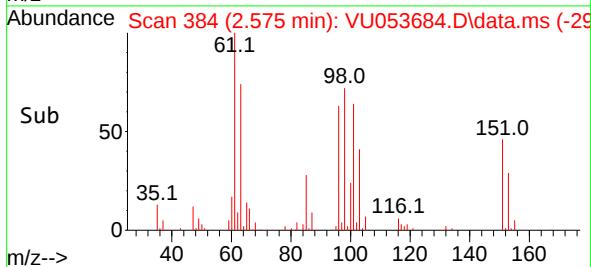
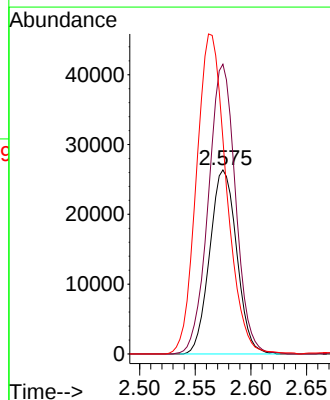
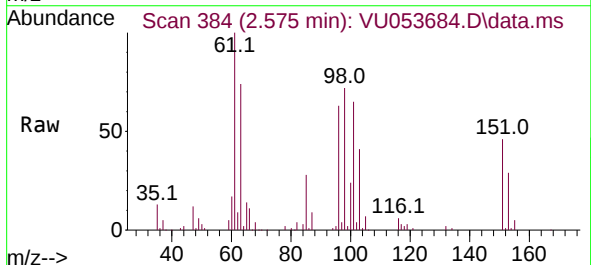
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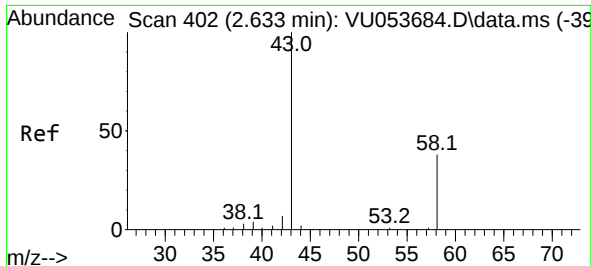
Tgt Ion:101 Resp: 51251
 Ion Ratio Lower Upper
 101 100
 85 41.6 37.0 55.4
 151 70.1 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 5.588 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU053684.D
 Acq: 13 Apr 2023 15:08

Tgt Ion: 96 Resp: 44442
 Ion Ratio Lower Upper
 96 100
 61 157.5 116.8 216.8
 63 116.8 88.6 164.6

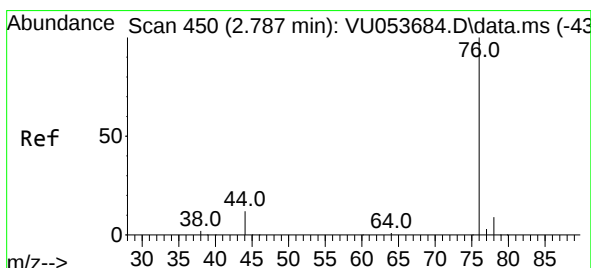
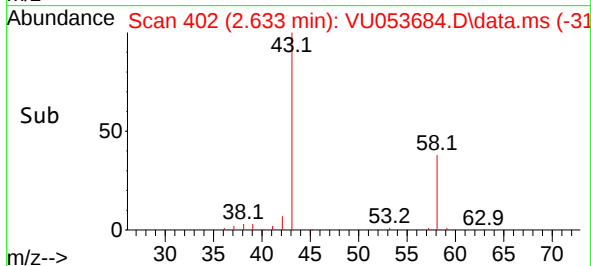
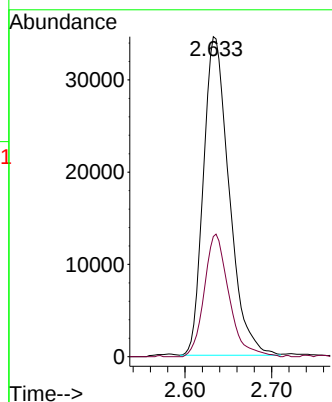
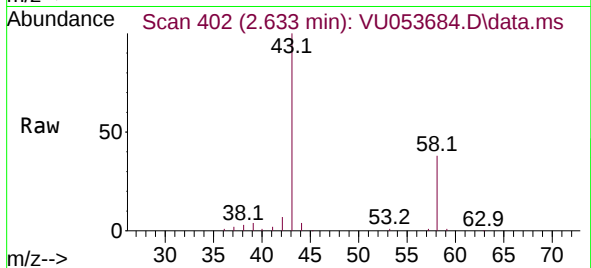




#13
Acetone
Concen: 54.235 ug/L
RT: 2.633 min Scan# 402
Delta R.T. -0.026 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

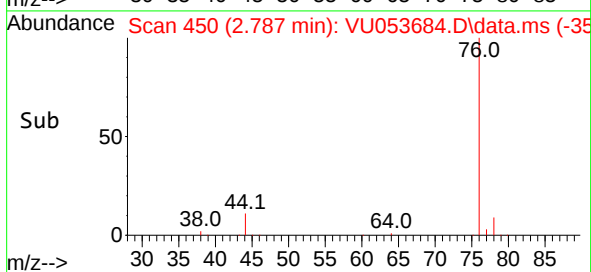
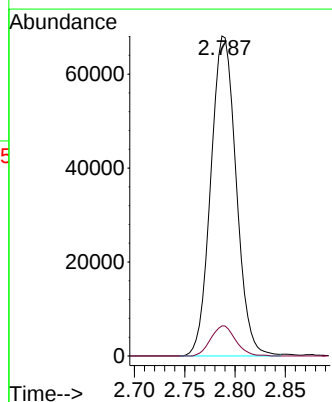
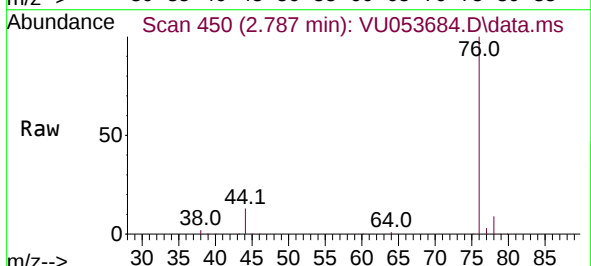
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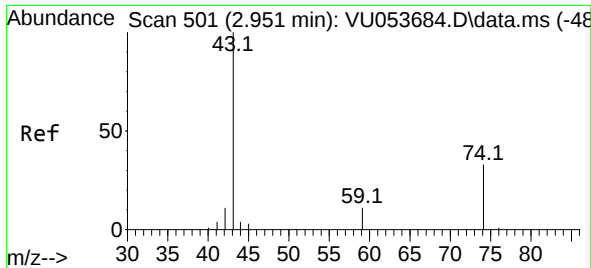
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Ion Ratio Lower Upper
43 100
58 37.1 0.0 32.2#



#14
Carbon disulfide
Concen: 5.133 ug/L
RT: 2.787 min Scan# 450
Delta R.T. -0.006 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Tgt Ion: 76 Resp: 119819
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.4

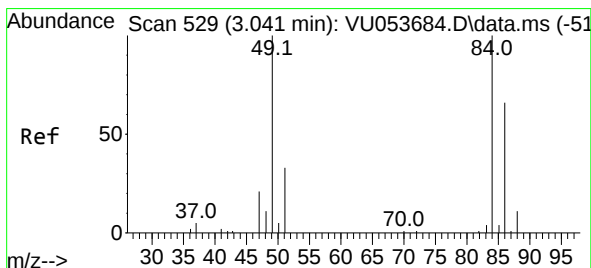
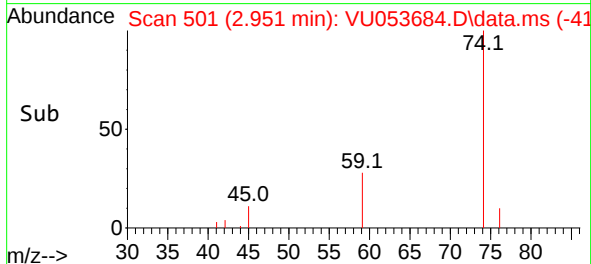
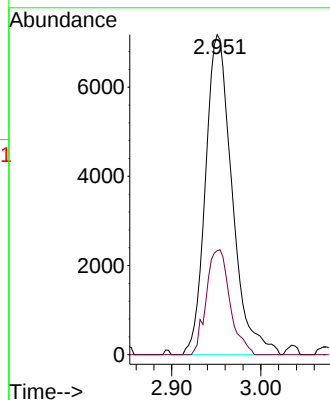
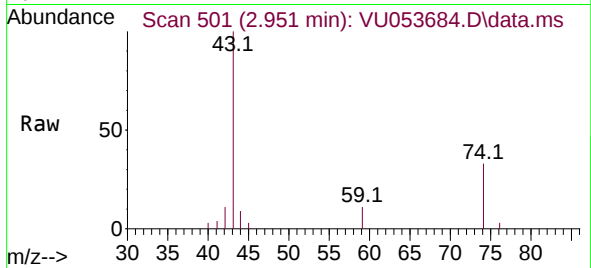




#15
Methyl Acetate
Concen: 4.839 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.006 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

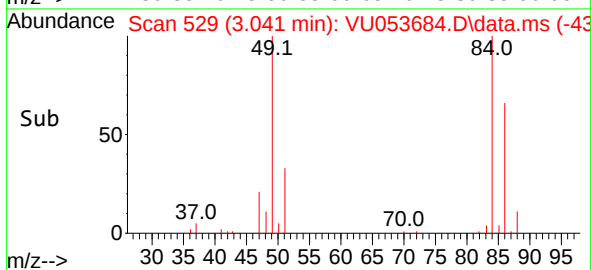
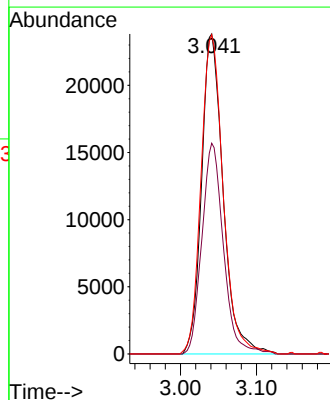
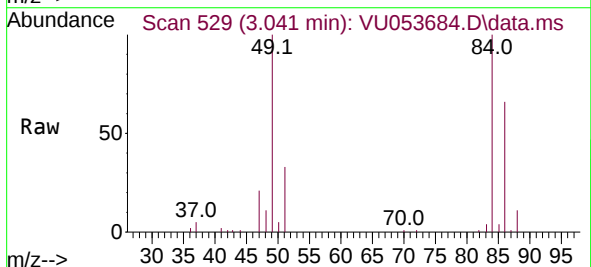
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

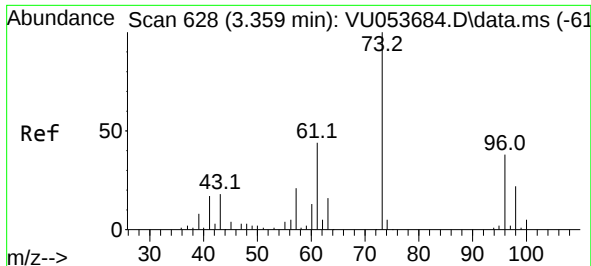
Tgt Ion: 43 Resp: 14913
Ion Ratio Lower Upper
43 100
74 29.1 20.8 31.2



#16
Methylene chloride
Concen: 4.493 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Tgt Ion: 84 Resp: 46928
Ion Ratio Lower Upper
84 100
86 65.8 44.7 83.1
49 99.8 75.5 140.1

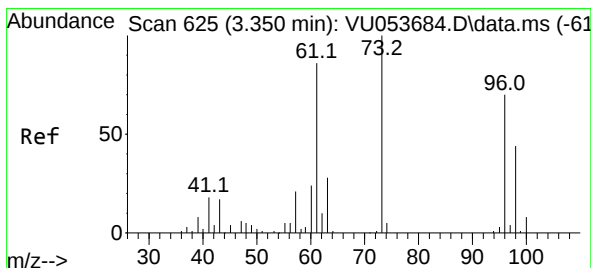
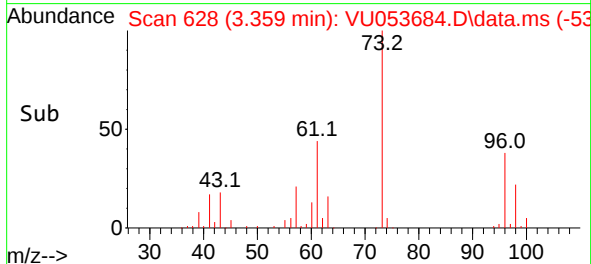
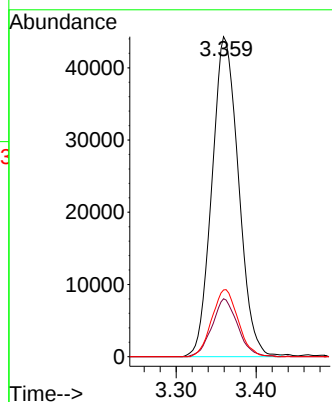
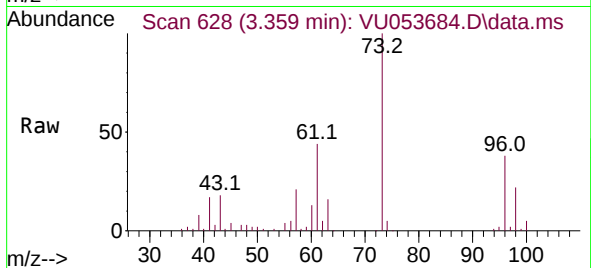




#17
Methyl tert-butyl Ether
Concen: 5.295 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

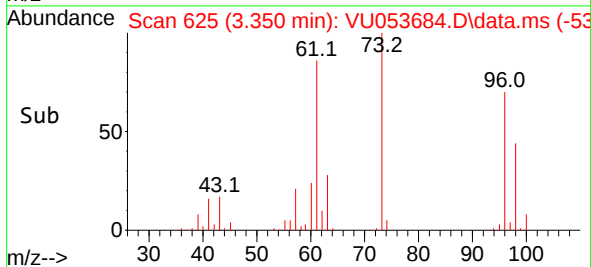
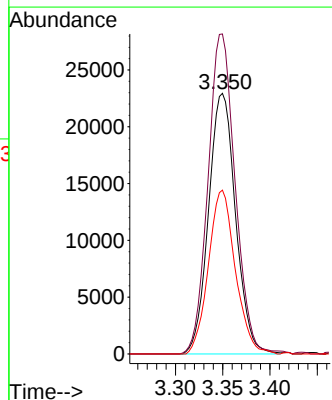
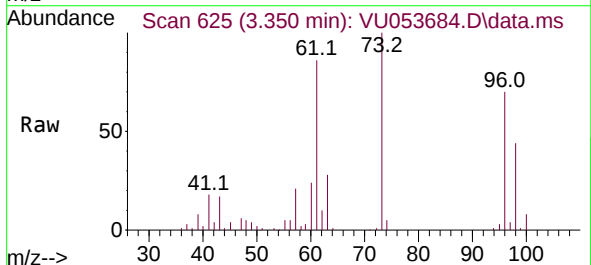
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

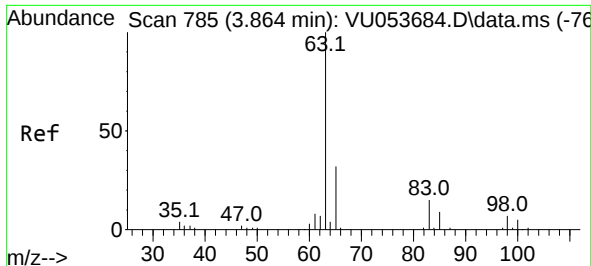
Tgt Ion:	73	Resp:	102100
Ion	Ratio	Lower	Upper
73	100		
43	17.5	13.9	20.9
57	20.7	17.0	25.6



#18
trans-1,2-Dichloroethene
Concen: 5.524 ug/L
RT: 3.350 min Scan# 625
Delta R.T. 0.000 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Tgt Ion:	96	Resp:	45635
Ion	Ratio	Lower	Upper
96	100		
61	122.8	95.5	177.3
98	62.9	42.2	78.4





#19

1,1-Dichloroethane

Concen: 5.219 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005147

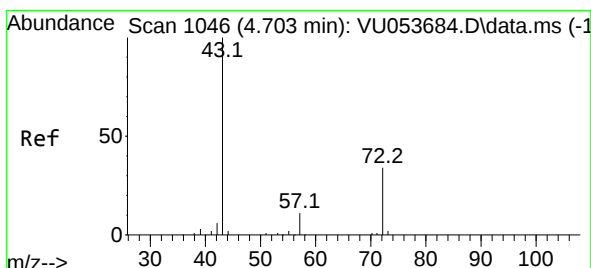
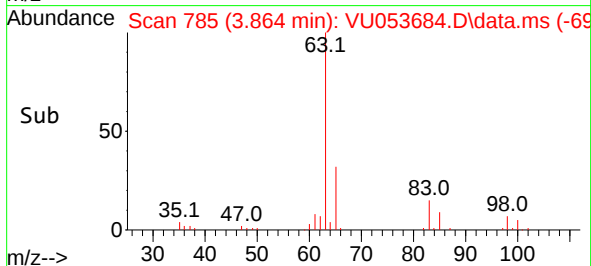
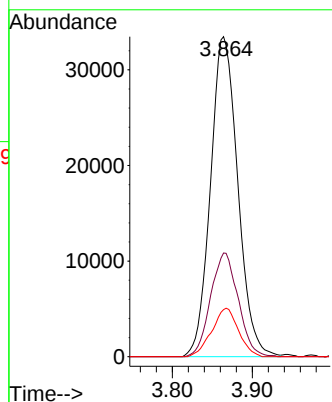
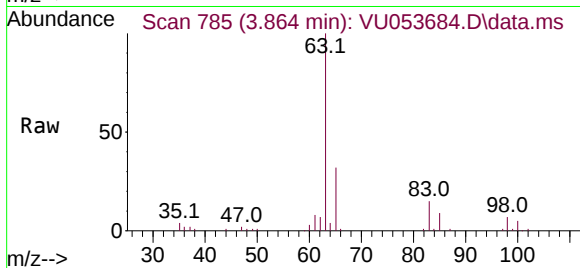
Tgt Ion: 63 Resp: 79424

Ion Ratio Lower Upper

63 100

65 32.4 21.7 40.3

83 14.7 8.1 15.1



#21

2-Butanone

Concen: 50.148 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. -0.013 min

Lab File: VU053684.D

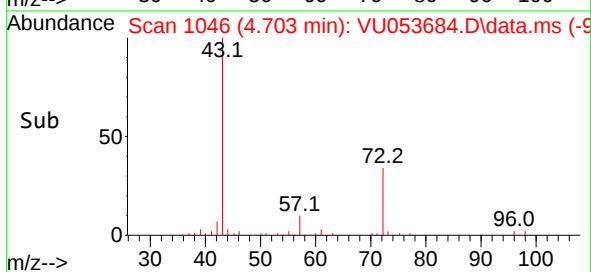
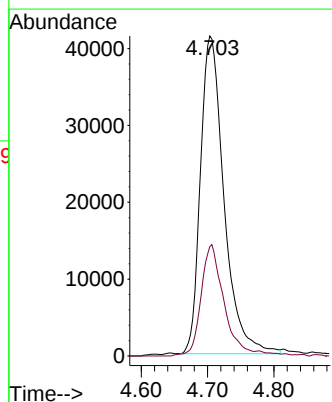
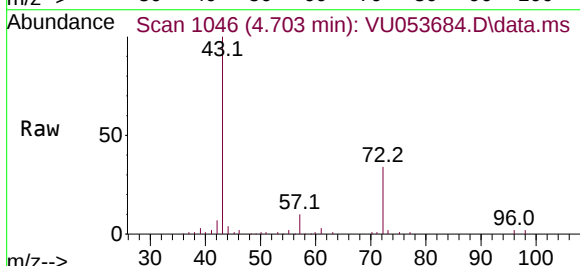
Acq: 13 Apr 2023 15:08

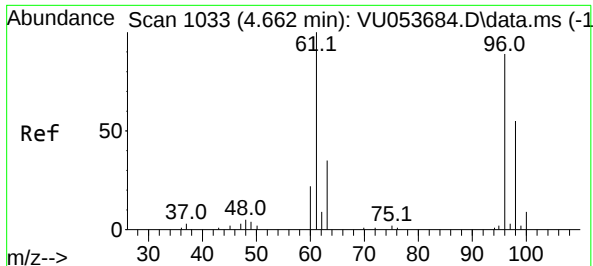
Tgt Ion: 43 Resp: 102307

Ion Ratio Lower Upper

43 100

72 33.4 16.2 48.6

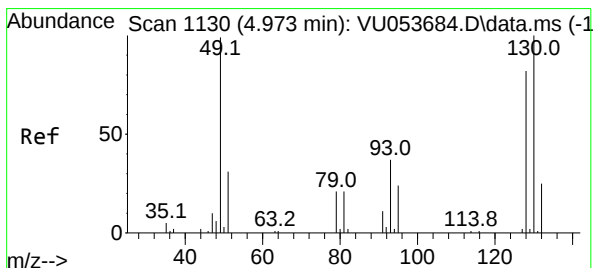
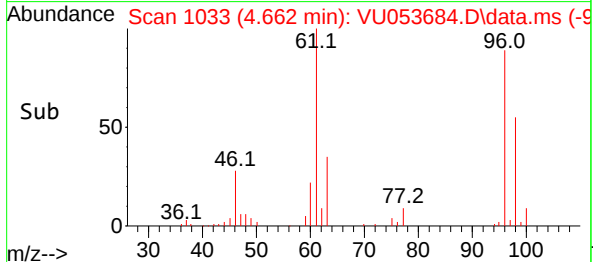
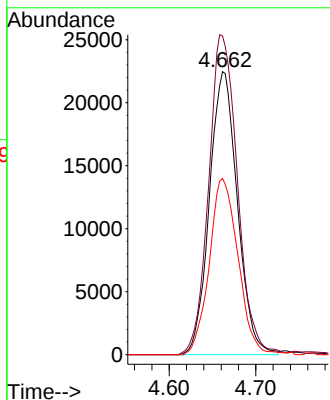
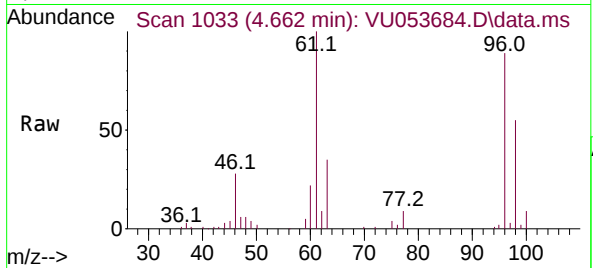




#22
 cis-1,2-Dichloroethene
 Concen: 4.537 ug/L
 RT: 4.662 min Scan# 1033
 Delta R.T. 0.000 min
 Lab File: VU053684.D
 Acq: 13 Apr 2023 15:08

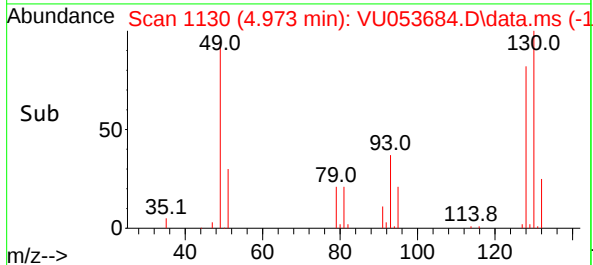
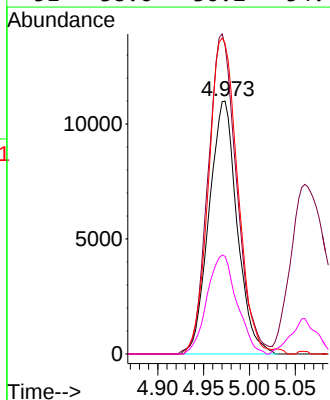
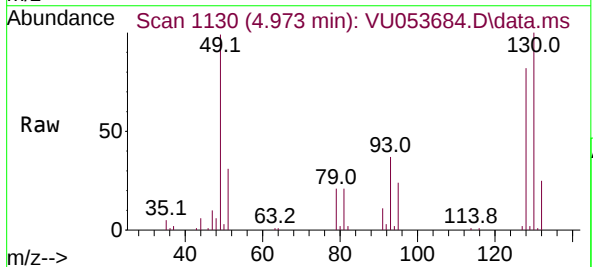
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005147

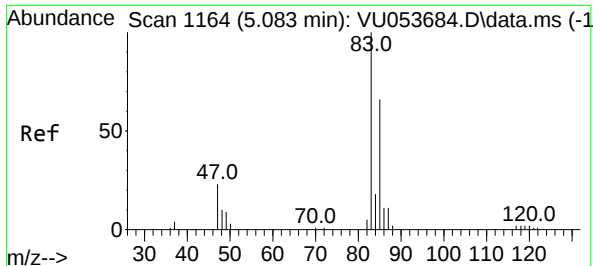
Tgt Ion:	96	Resp:	50498
Ion	Ratio	Lower	Upper
96	100		
61	112.6	86.6	160.8
98	62.2	47.7	88.5



#23
 Bromochloromethane
 Concen: 5.938 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU053684.D
 Acq: 13 Apr 2023 15:08

Tgt Ion:	128	Resp:	23393
Ion	Ratio	Lower	Upper
128	100		
49	122.0	102.8	190.8
130	122.7	85.1	158.1
51	38.6	36.2	54.4





#25

Chloroform

Concen: 5.594 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

Instrument :

MSVOA_U

ClientSampleId :

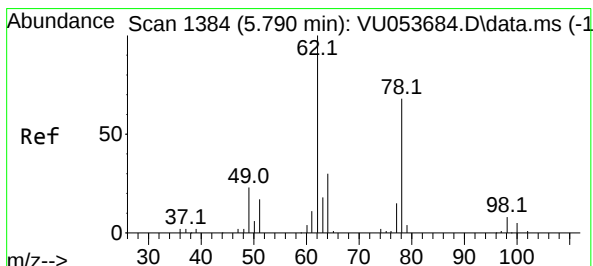
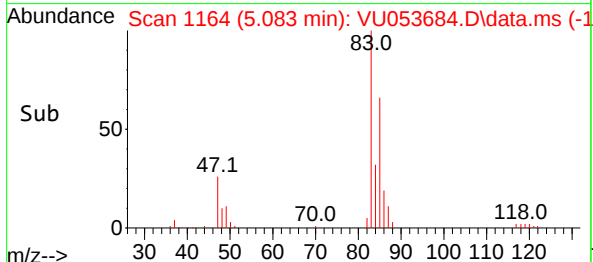
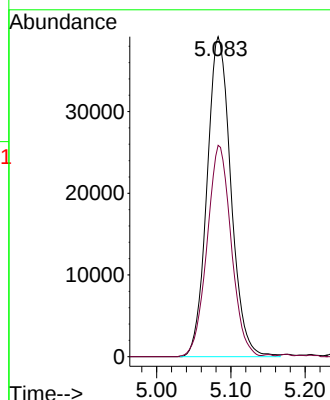
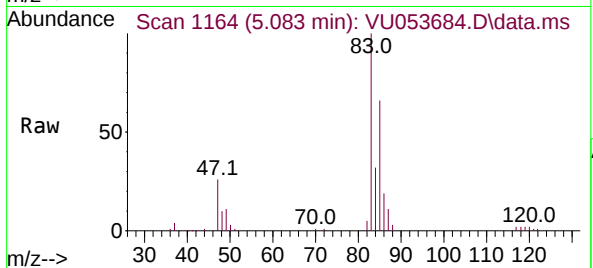
VSTD005147

Tgt Ion: 83 Resp: 87575

Ion Ratio Lower Upper

83 100

85 66.0 47.3 87.9



#27

1,2-Dichloroethane

Concen: 5.477 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU053684.D

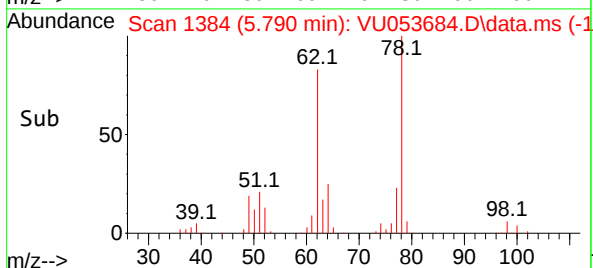
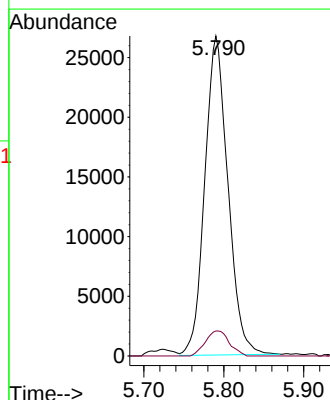
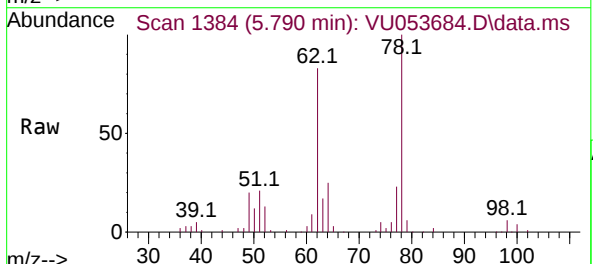
Acq: 13 Apr 2023 15:08

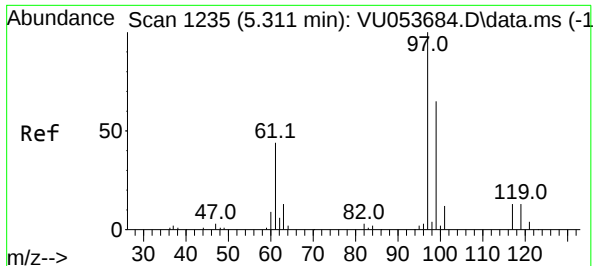
Tgt Ion: 62 Resp: 53712

Ion Ratio Lower Upper

62 100

98 7.8 6.4 9.6





#29

1,1,1-Trichloroethane

Concen: 5.578 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005147

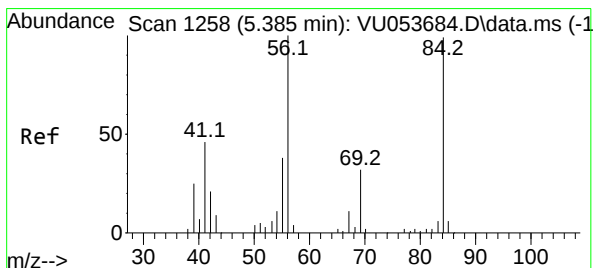
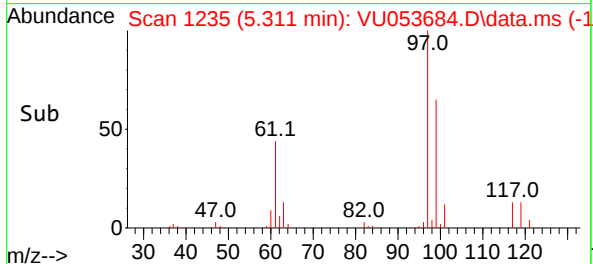
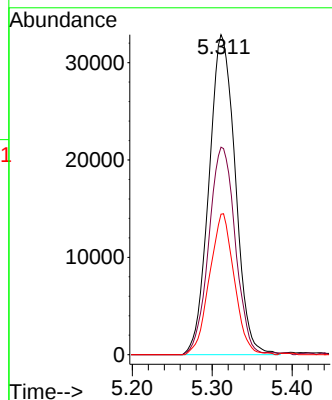
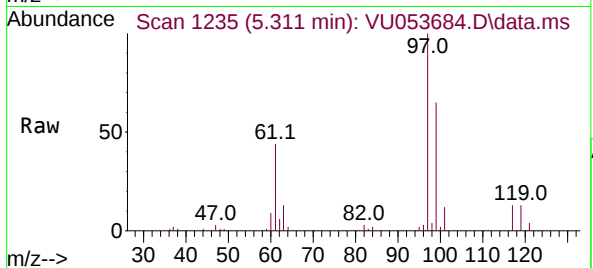
Tgt Ion: 97 Resp: 74951

Ion Ratio Lower Upper

97 100

99 65.3 49.9 74.9

61 41.6 35.7 53.5



#30

Cyclohexane

Concen: 4.712 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

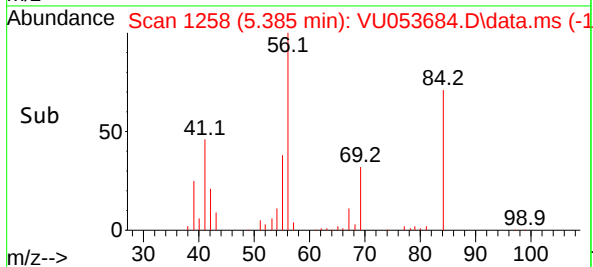
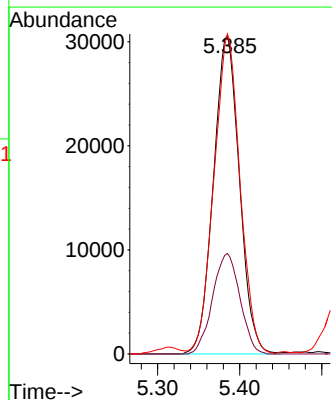
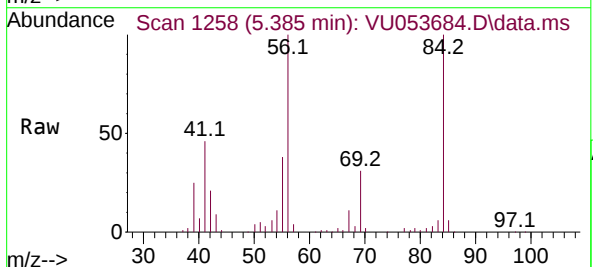
Tgt Ion: 56 Resp: 67453

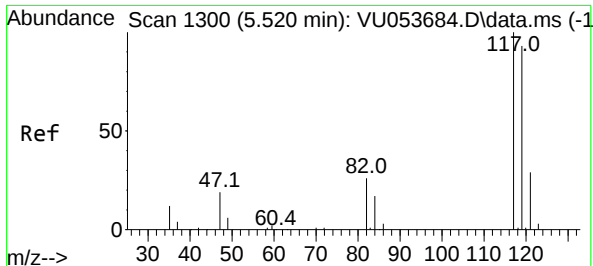
Ion Ratio Lower Upper

56 100

69 33.1 26.1 39.1

84 100.7 75.6 113.4

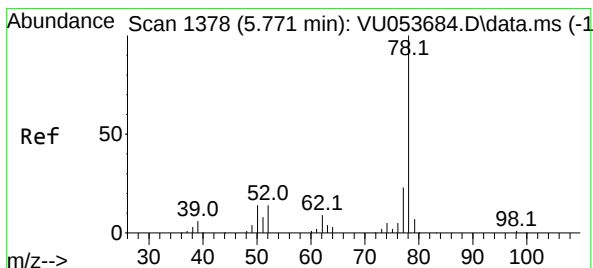
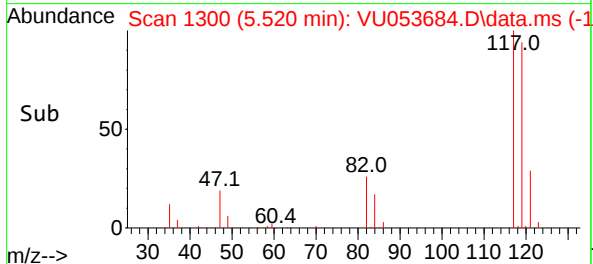
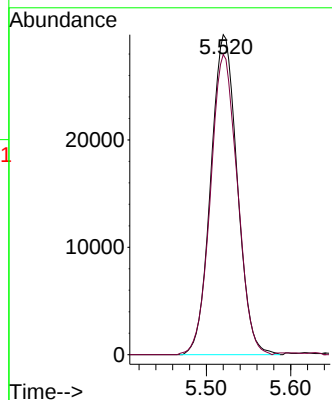
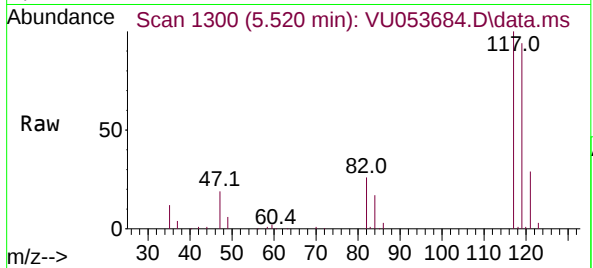




#31
Carbon tetrachloride
Concen: 5.729 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

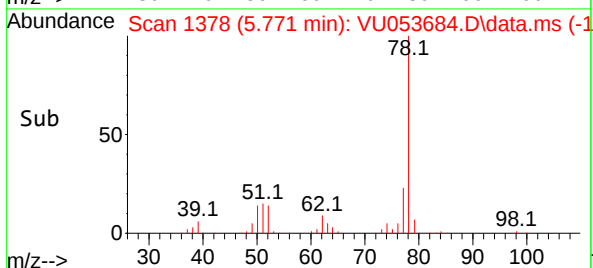
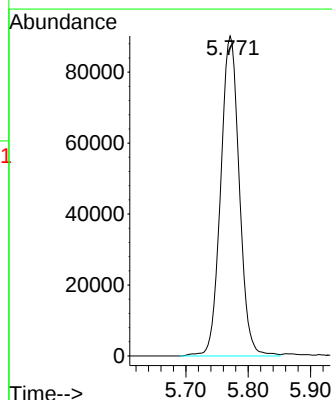
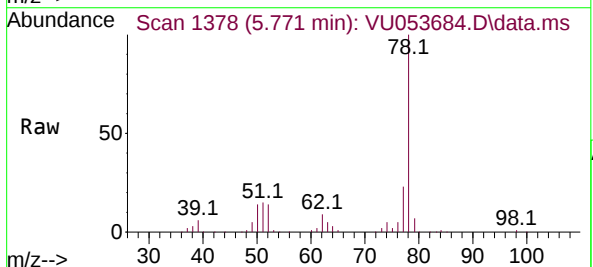
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

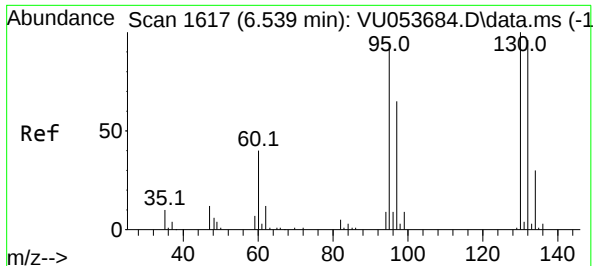
Tgt Ion:117 Resp: 65140
Ion Ratio Lower Upper
117 100
119 95.1 77.7 116.5



#33
Benzene
Concen: 5.132 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Tgt Ion: 78 Resp: 187150

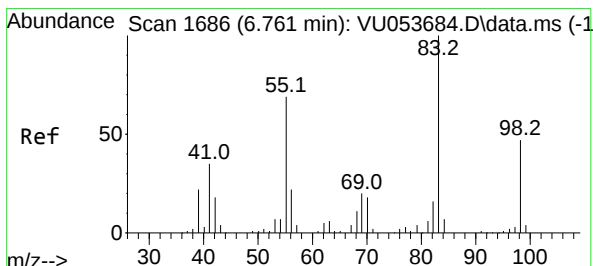
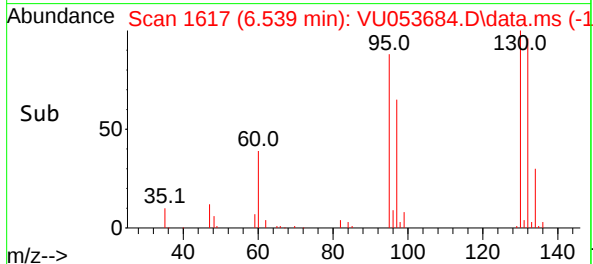
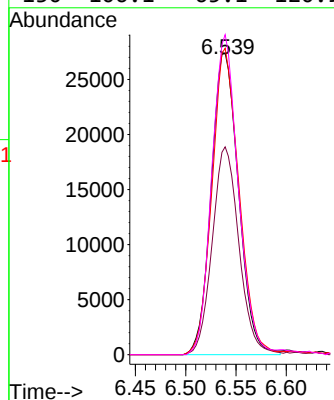
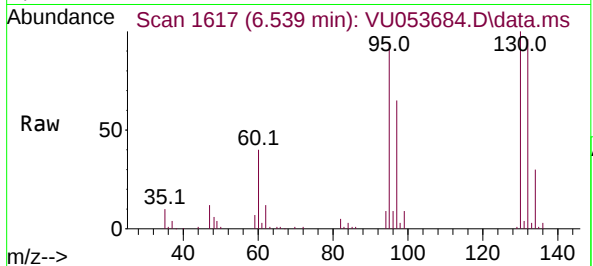




#34
Trichloroethene
Concen: 5.331 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

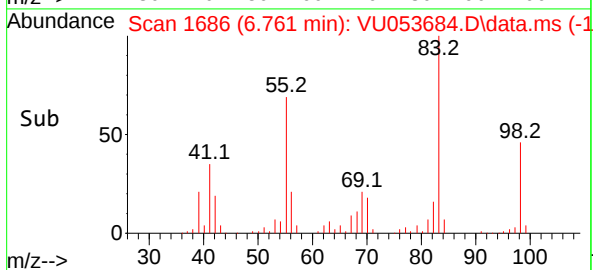
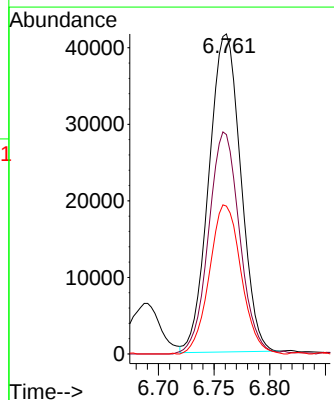
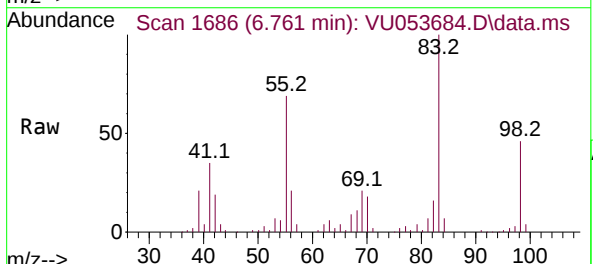
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

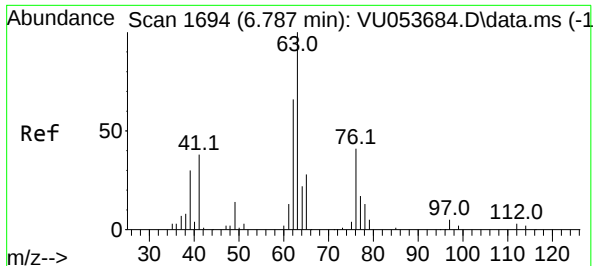
Tgt Ion: 95 Resp: 51774
Ion Ratio Lower Upper
95 100
97 68.9 45.3 84.1
132 101.6 62.8 116.6
130 106.1 65.1 120.9



#35
Methylcyclohexane
Concen: 4.954 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.003 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Tgt Ion: 83 Resp: 82559
Ion Ratio Lower Upper
83 100
55 68.2 54.9 82.3
98 46.8 34.9 52.3

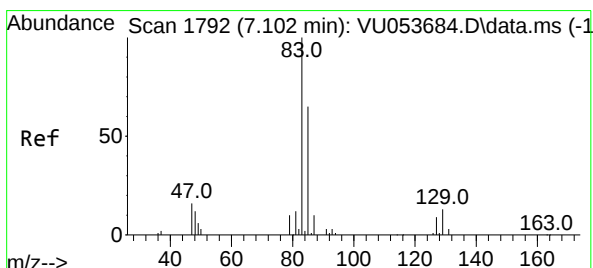
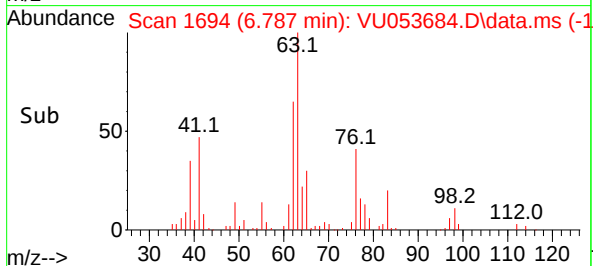
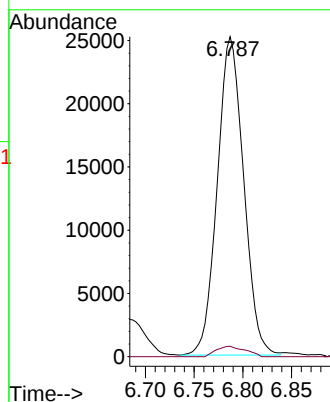
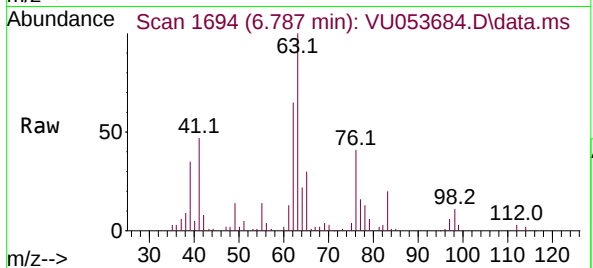




#37
1,2-Dichloropropane
Concen: 4.916 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

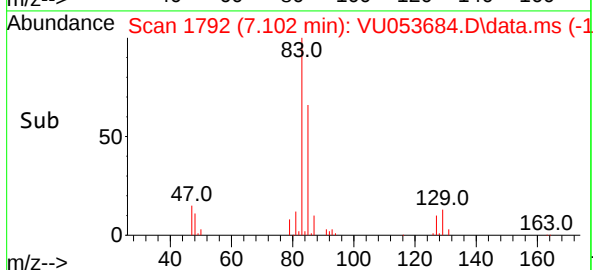
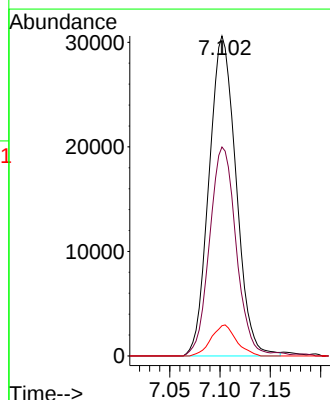
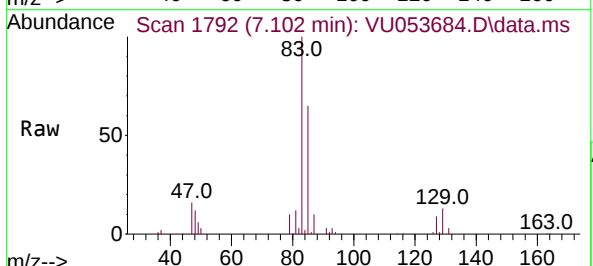
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

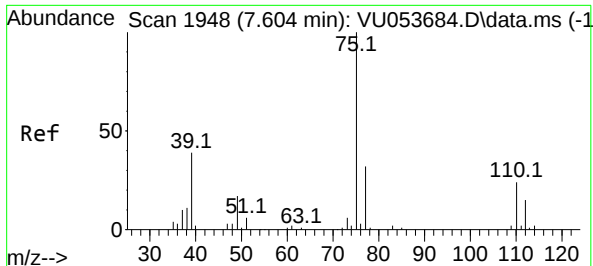
Tgt Ion: 63 Resp: 47332
Ion Ratio Lower Upper
63 100
112 3.6 3.0 4.4



#38
Bromodichloromethane
Concen: 5.350 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Tgt Ion: 83 Resp: 57213
Ion Ratio Lower Upper
83 100
85 65.3 44.0 81.8
127 9.4 5.8 8.6#





#39

cis-1,3-Dichloropropene

Concen: 4.874 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

Instrument :

MSVOA_U

ClientSampleId :

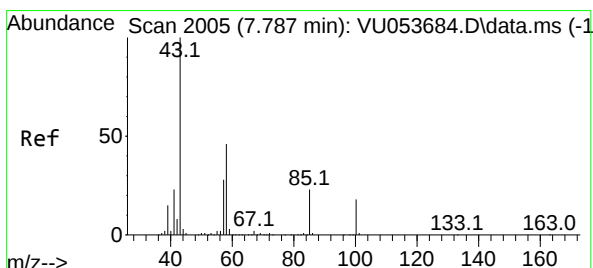
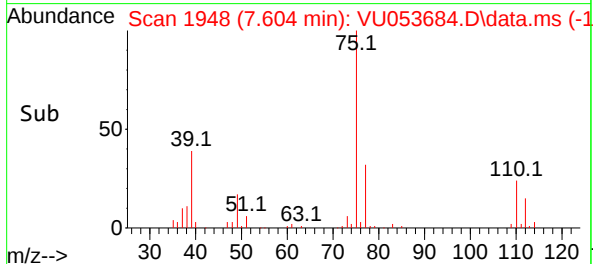
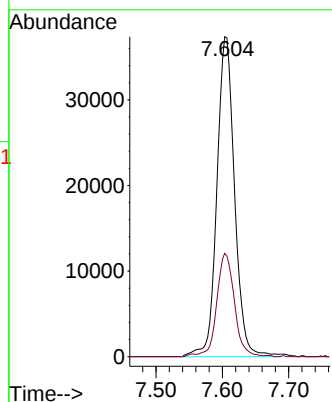
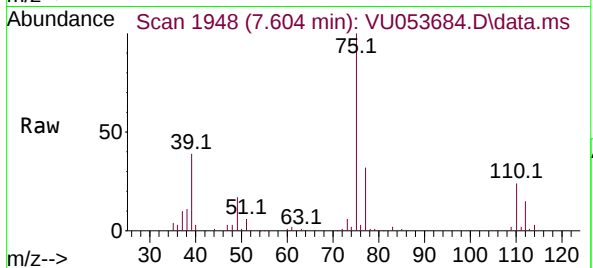
VSTD005147

Tgt Ion: 75 Resp: 69331

Ion Ratio Lower Upper

75 100

77 32.3 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 49.671 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

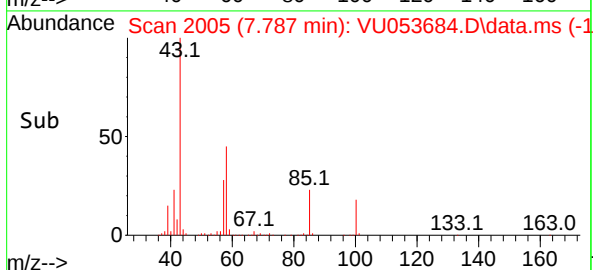
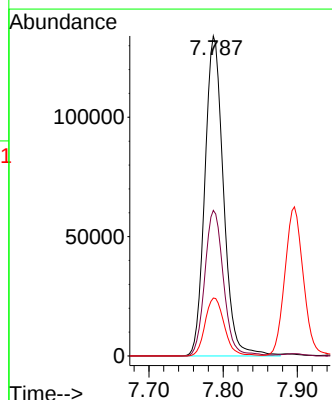
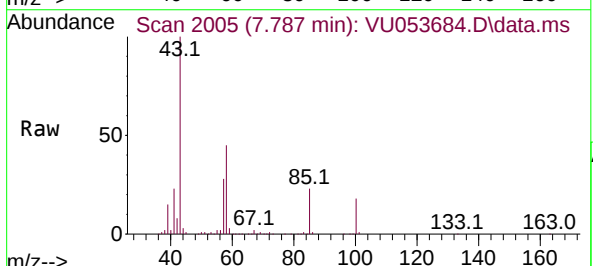
Tgt Ion: 43 Resp: 234045

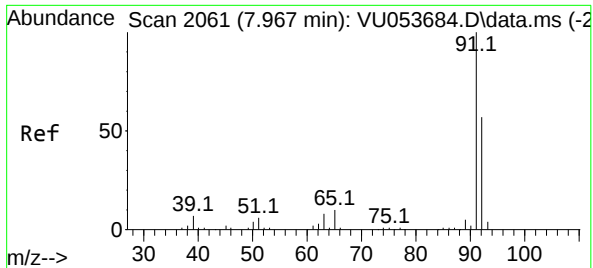
Ion Ratio Lower Upper

43 100

58 45.8 37.4 56.0

100 18.7 14.0 21.0





#42

Toluene

Concen: 5.145 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

Instrument :

MSVOA_U

ClientSampleId :

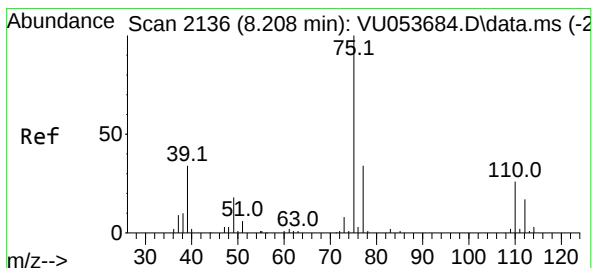
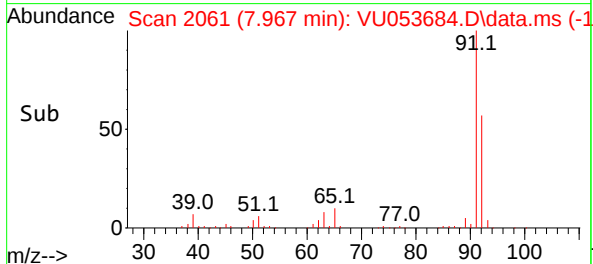
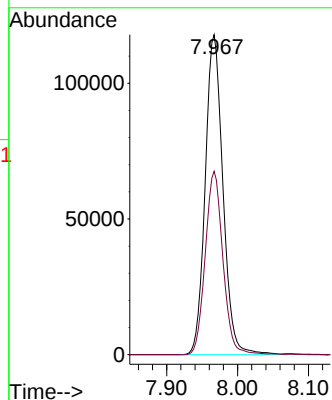
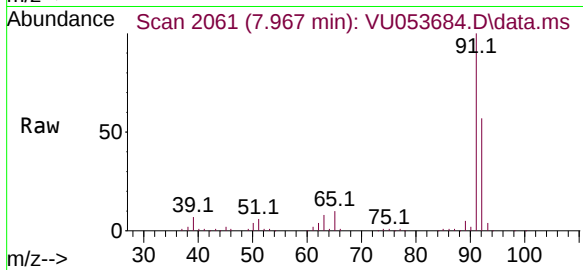
VSTD005147

Tgt Ion: 91 Resp: 204999

Ion Ratio Lower Upper

91 100

92 57.3 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.015 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU053684.D

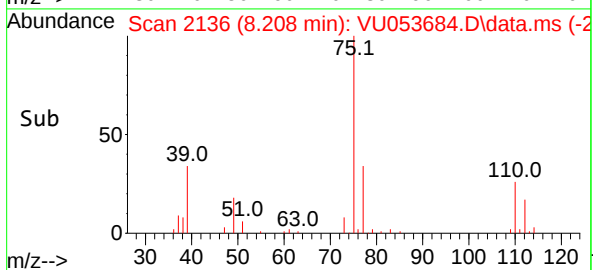
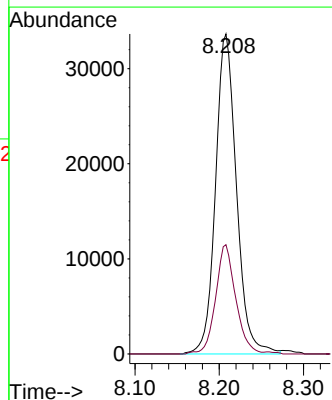
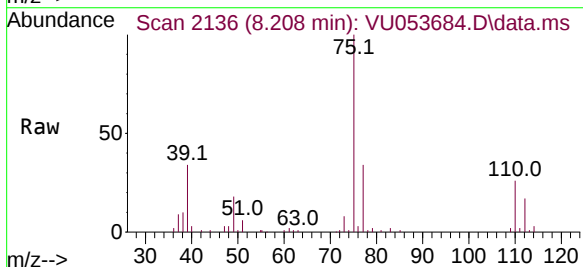
Acq: 13 Apr 2023 15:08

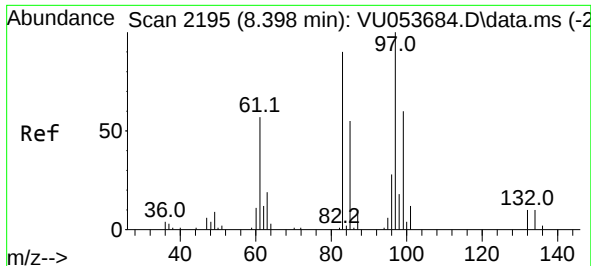
Tgt Ion: 75 Resp: 58046

Ion Ratio Lower Upper

75 100

77 34.1 22.0 40.8



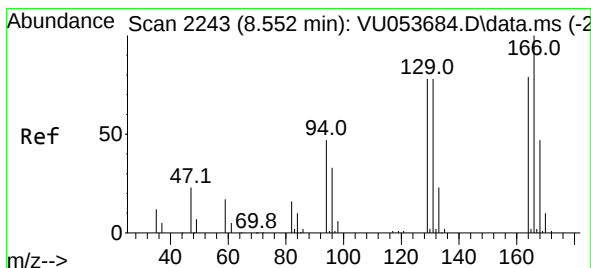
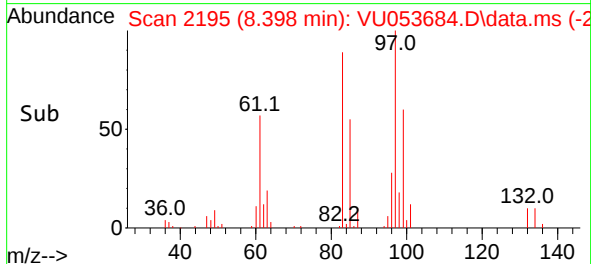
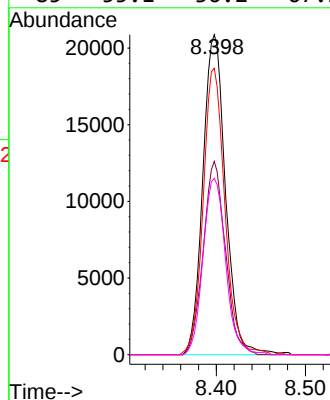
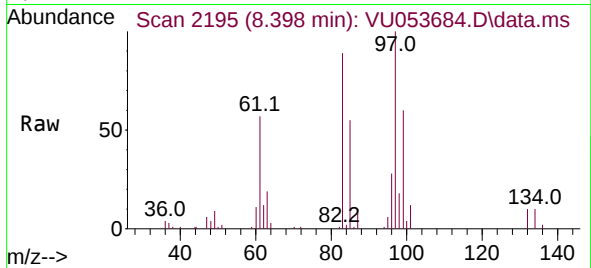


#45
1,1,2-Trichloroethane
Concen: 5.387 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

Tgt Ion: 97 Resp: 36826

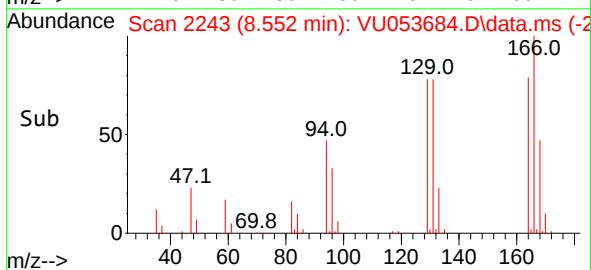
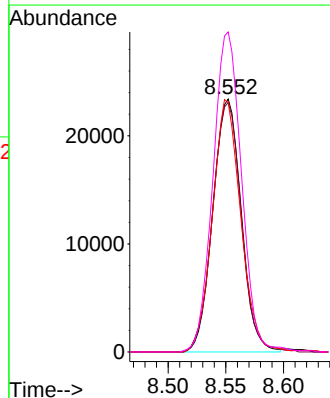
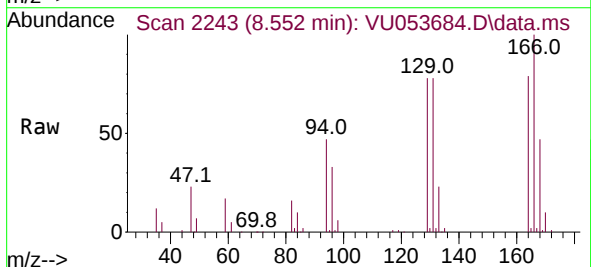
Ion	Ratio	Lower	Upper
97	100		
99	60.4	38.9	72.2
83	89.5	57.6	107.0
85	55.1	36.2	67.2

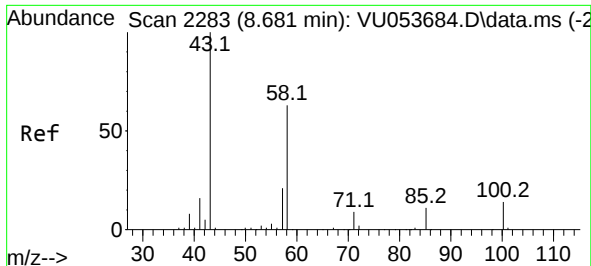


#47
Tetrachloroethene
Concen: 5.619 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Tgt Ion: 164 Resp: 40093

Ion	Ratio	Lower	Upper
164	100		
129	98.6	74.8	138.8
131	98.7	70.1	130.1
166	126.5	87.3	162.1

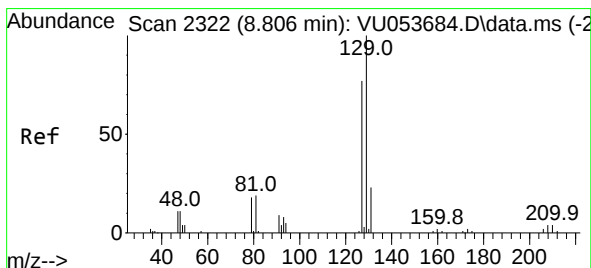
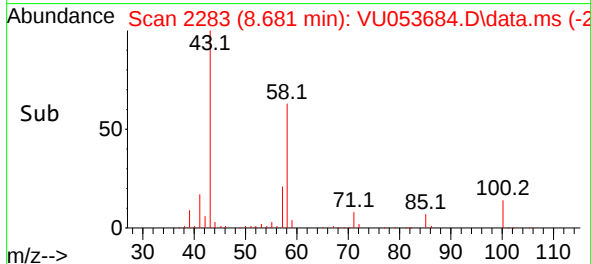
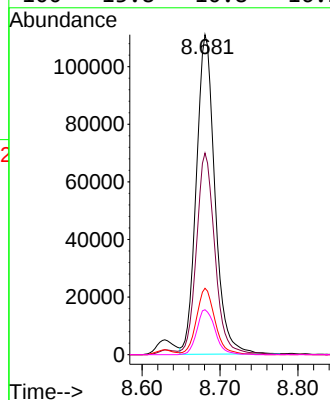
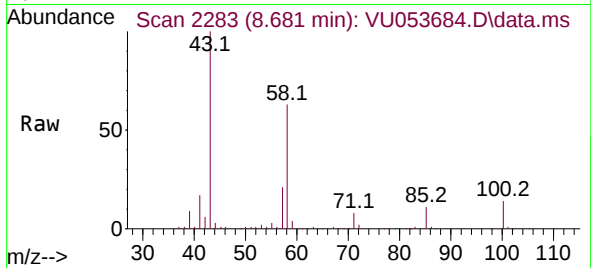




#48
2-Hexanone
Concen: 52.770 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

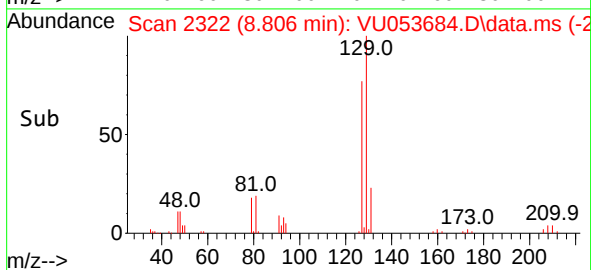
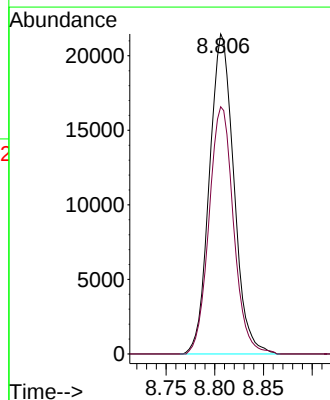
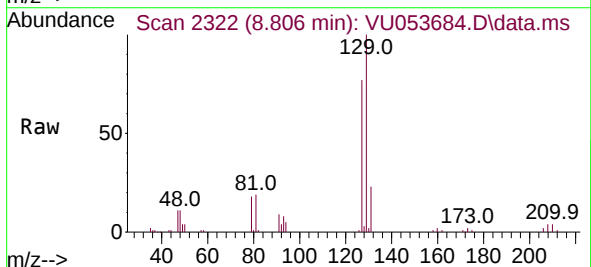
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

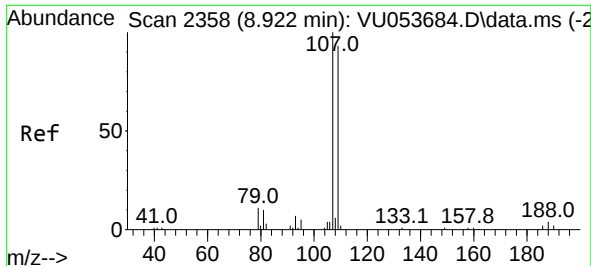
Tgt Ion:	43	Resp:	183854
Ion	Ratio	Lower	Upper
43	100		
58	62.6	52.8	79.2
57	20.9	17.1	25.7
100	13.8	10.8	16.2



#49
Dibromochloromethane
Concen: 5.538 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Tgt Ion:	129	Resp:	37441
Ion	Ratio	Lower	Upper
129	100		
127	77.2	52.2	97.0

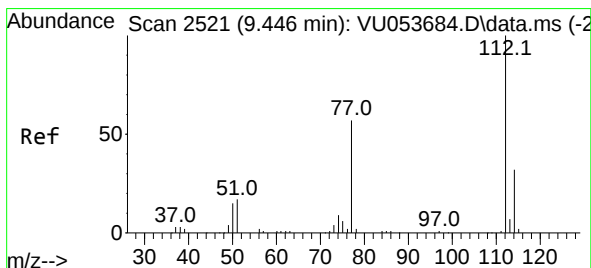
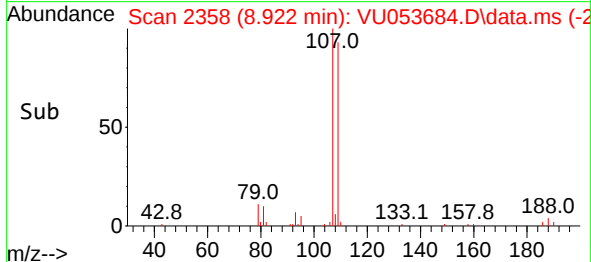
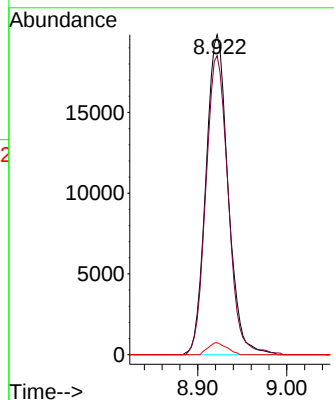
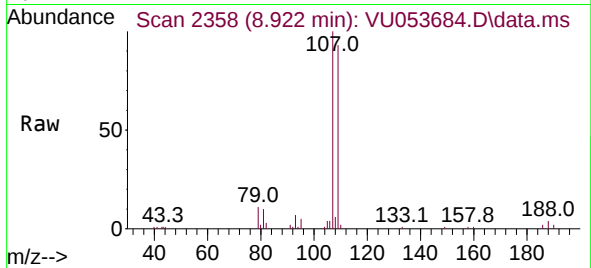




#50
1,2-Dibromoethane
Concen: 5.181 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

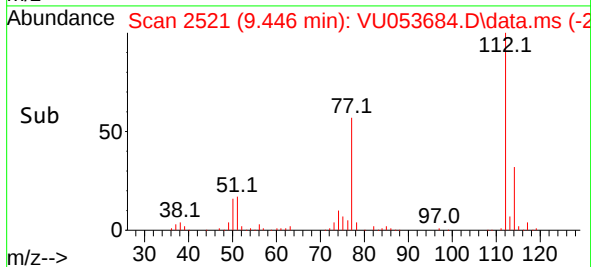
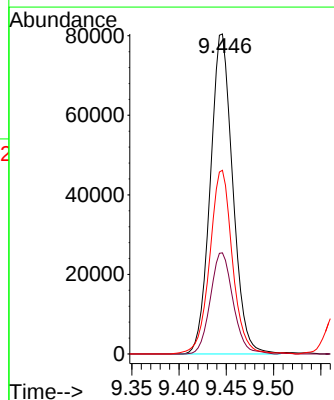
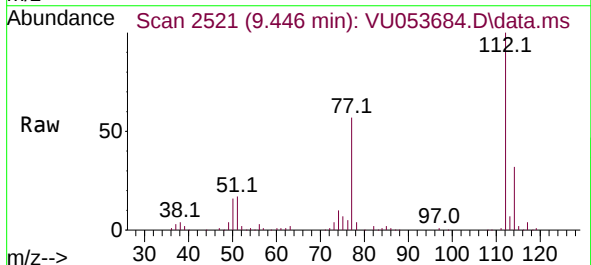
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

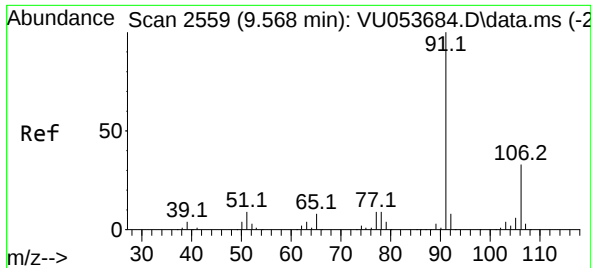
Tgt Ion:107 Resp: 34210
Ion Ratio Lower Upper
107 100
109 93.5 64.7 120.1
188 3.8 3.0 4.6



#51
Chlorobenzene
Concen: 5.291 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Tgt Ion:112 Resp: 132980
Ion Ratio Lower Upper
112 100
114 31.6 22.1 41.1
77 57.4 45.8 68.6

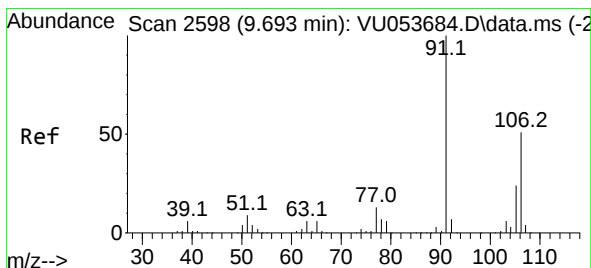
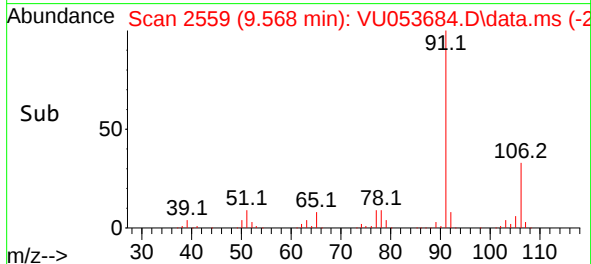
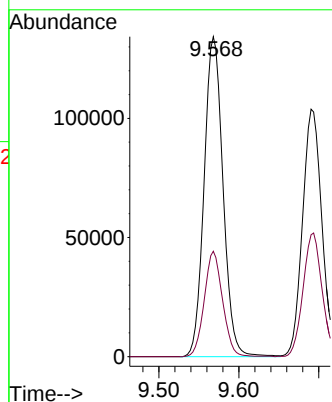
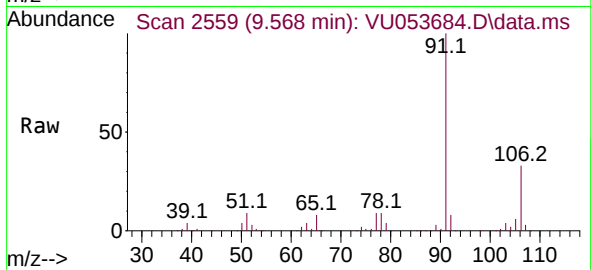




#52
Ethylbenzene
Concen: 5.091 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

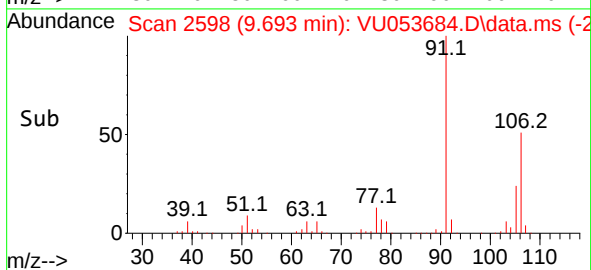
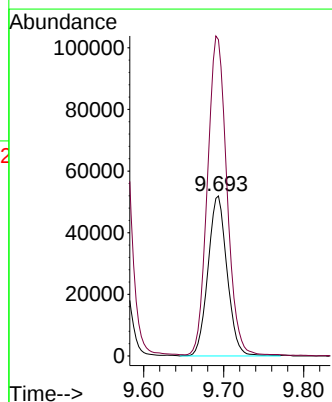
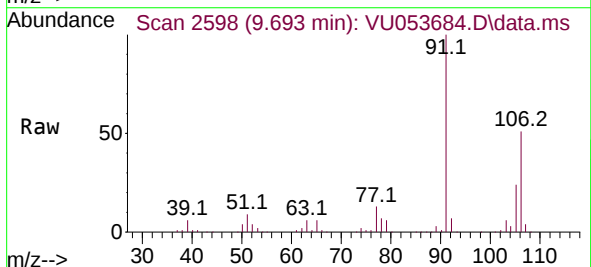
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

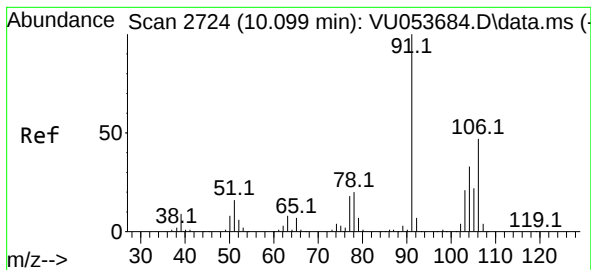
Tgt Ion: 91 Resp: 221107
Ion Ratio Lower Upper
91 100
106 33.0 22.5 41.9



#53
m,p-Xylene
Concen: 5.214 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Tgt Ion: 106 Resp: 86316
Ion Ratio Lower Upper
106 100
91 197.7 138.8 257.8





#54

o-Xylene

Concen: 5.248 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. 0.003 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

Instrument :

MSVOA_U

ClientSampleId :

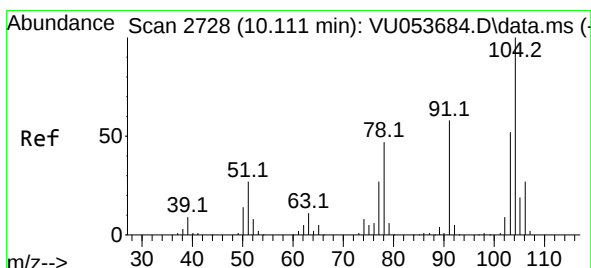
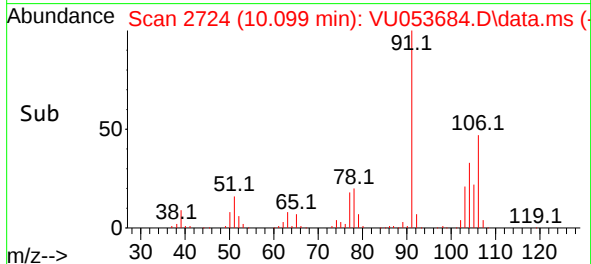
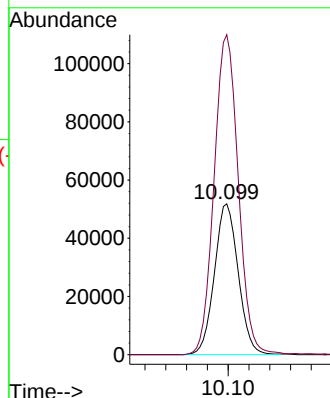
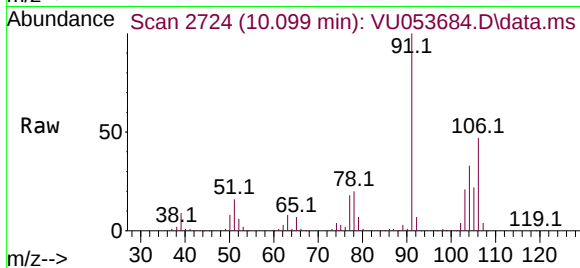
VSTD005147

Tgt Ion:106 Resp: 82449

Ion Ratio Lower Upper

106 100

91 212.2 150.8 280.0



#55

Styrene

Concen: 5.394 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU053684.D

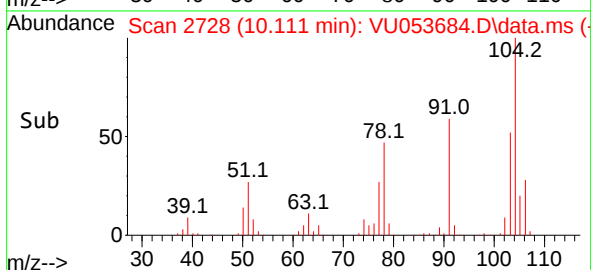
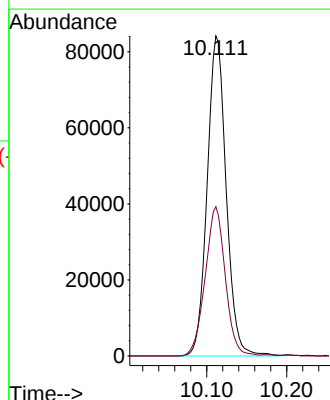
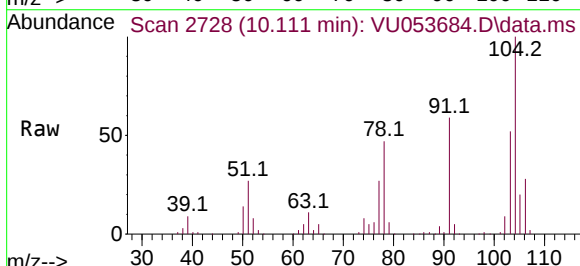
Acq: 13 Apr 2023 15:08

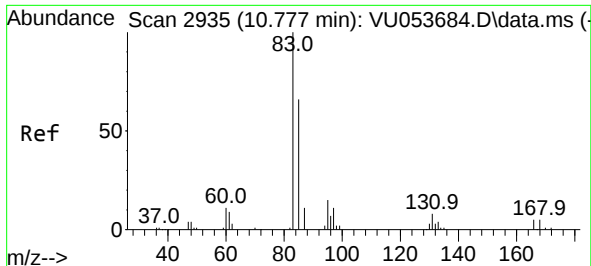
Tgt Ion:104 Resp: 139152

Ion Ratio Lower Upper

104 100

78 46.6 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.027 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005147

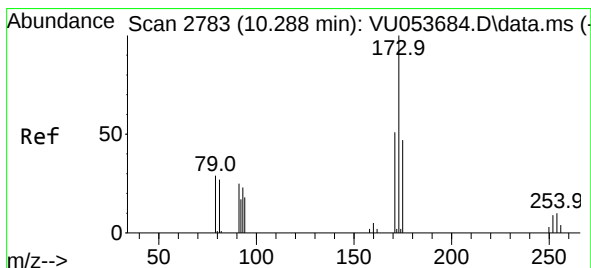
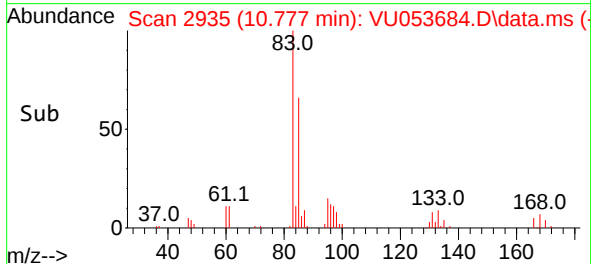
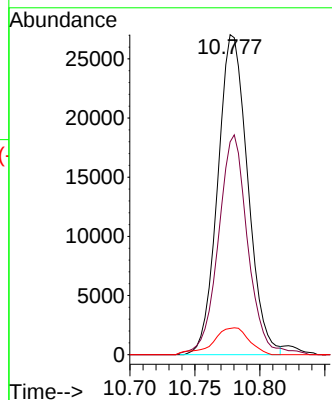
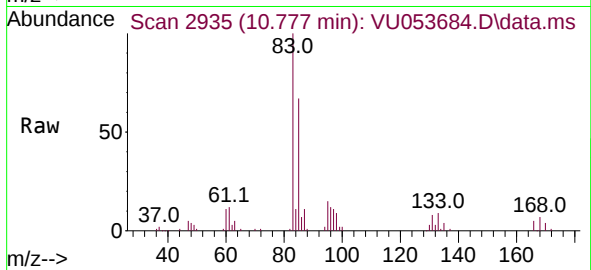
Tgt Ion: 83 Resp: 43401

Ion Ratio Lower Upper

83 100

85 66.5 43.8 81.4

131 8.2 7.2 10.8



#59

Bromoform

Concen: 4.827 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.003 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

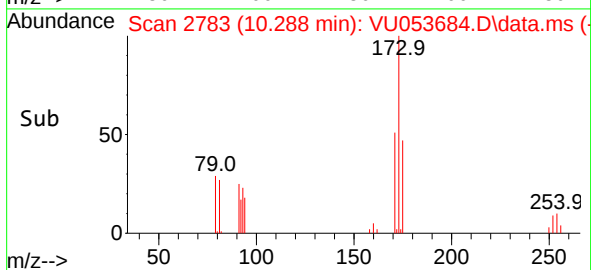
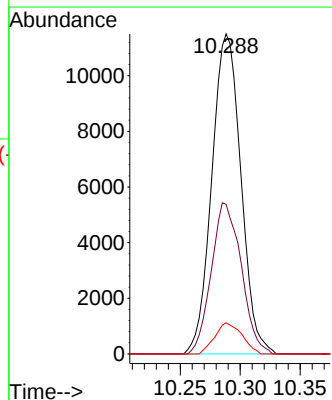
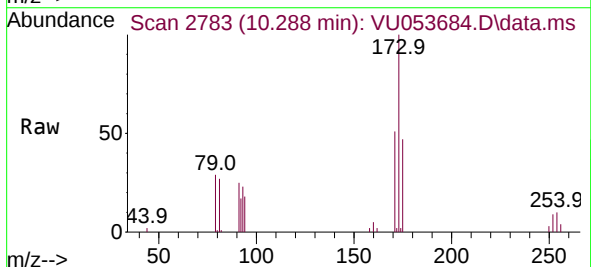
Tgt Ion: 173 Resp: 19367

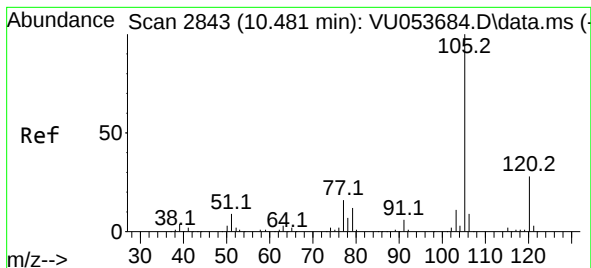
Ion Ratio Lower Upper

173 100

175 48.7 39.9 59.9

254 9.1 6.6 9.8





#60

Isopropylbenzene

Concen: 4.710 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005147

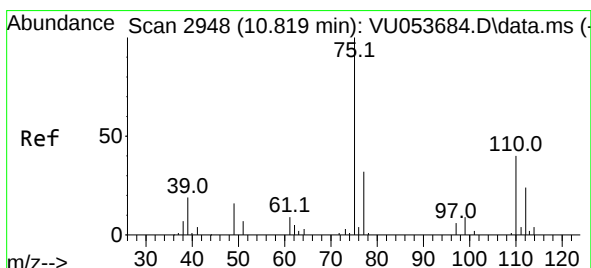
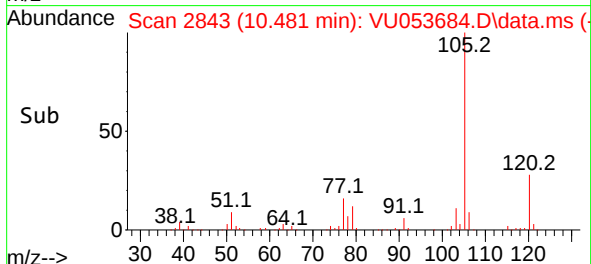
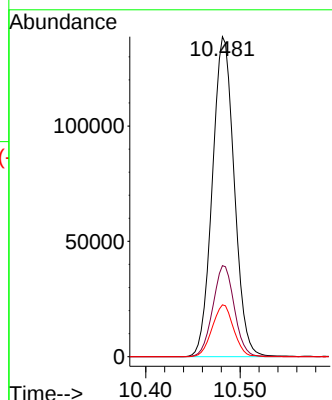
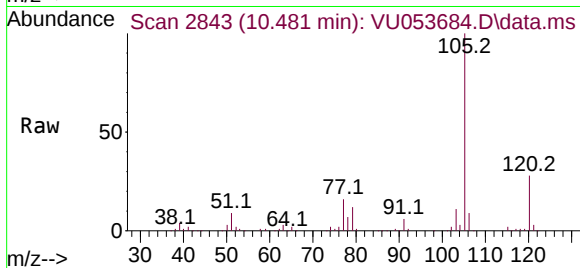
Tgt Ion:105 Resp: 222948

Ion Ratio Lower Upper

105 100

120 28.0 21.5 32.3

77 15.8 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 4.791 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.003 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

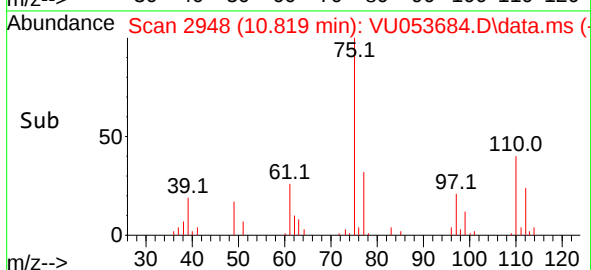
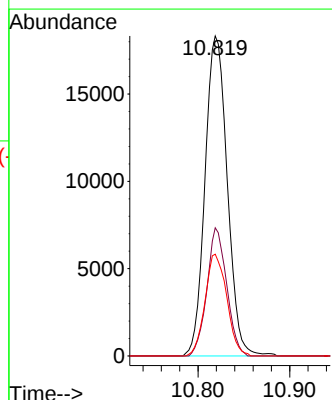
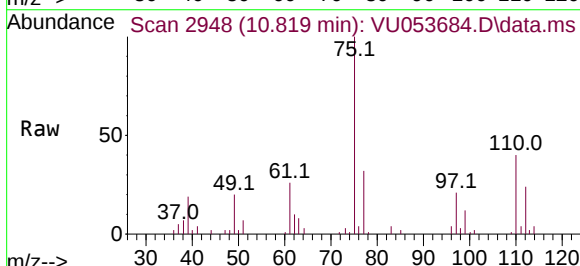
Tgt Ion: 75 Resp: 30933

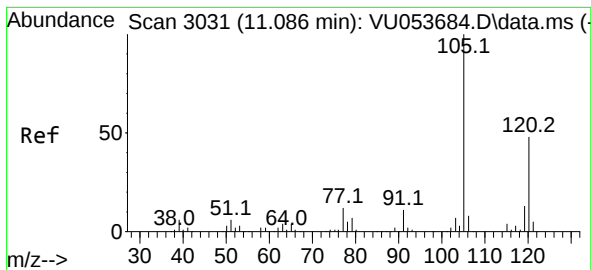
Ion Ratio Lower Upper

75 100

110 35.5 30.6 46.0

77 31.0 26.1 39.1

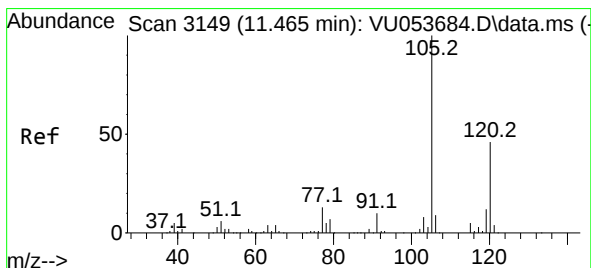
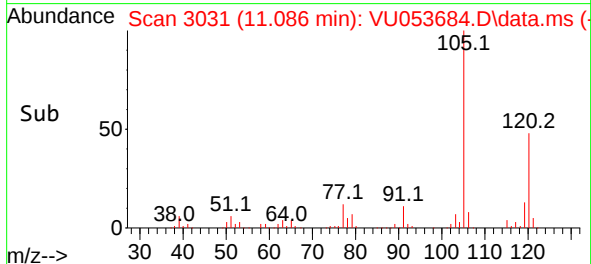
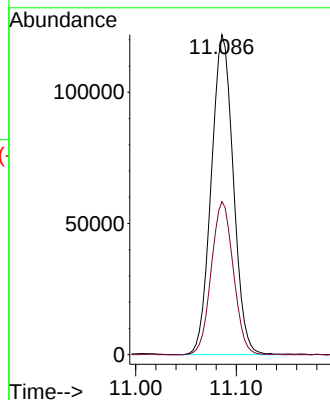
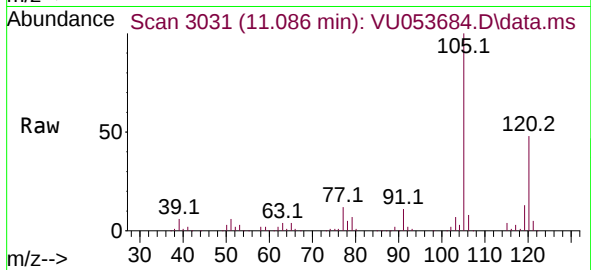




#62
1,3,5-Trimethylbenzene
Concen: 4.838 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

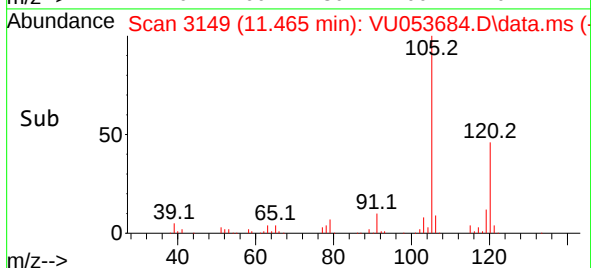
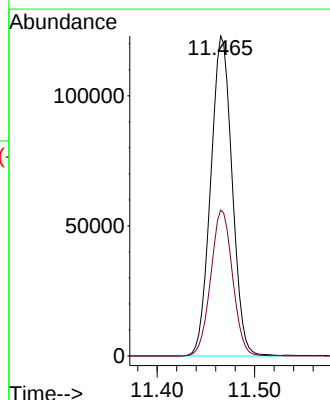
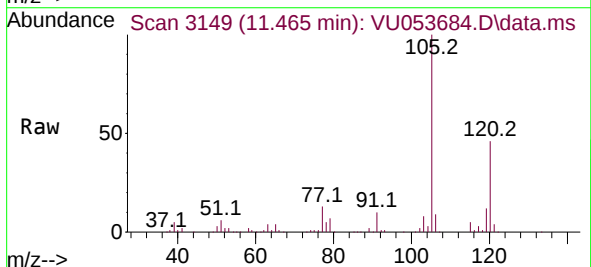
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

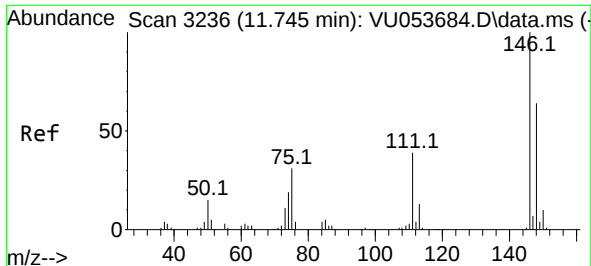
Tgt Ion:105 Resp: 185828
Ion Ratio Lower Upper
105 100
120 47.9 37.8 56.8



#63
1,2,4-Trimethylbenzene
Concen: 4.781 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Tgt Ion:105 Resp: 188044
Ion Ratio Lower Upper
105 100
120 46.3 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 5.100 ug/L

RT: 11.745 min Scan# 3236

Delta R.T. 0.003 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005147

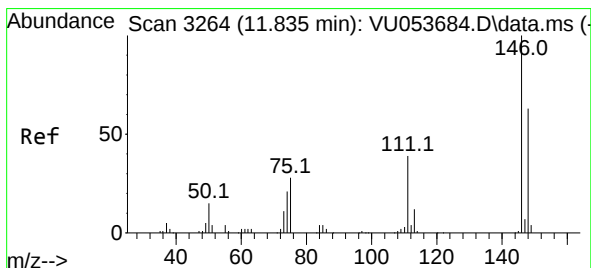
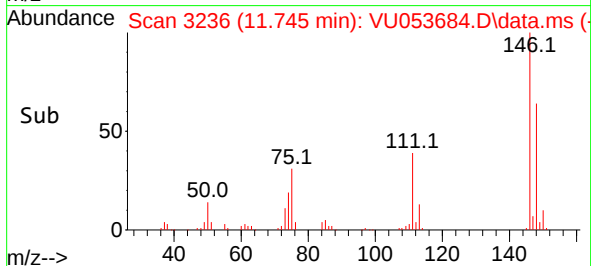
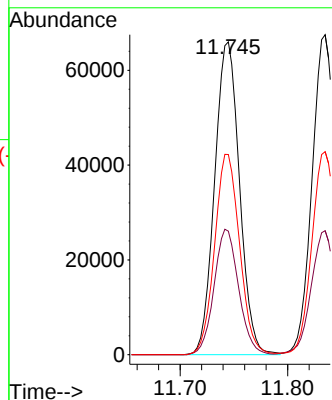
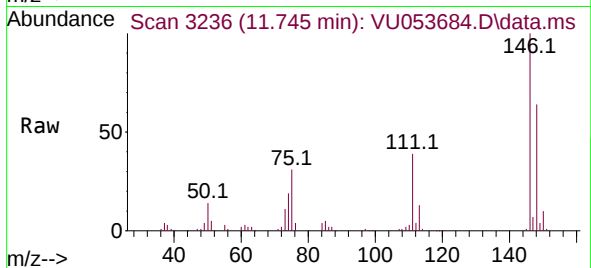
Tgt Ion:146 Resp: 106132

Ion Ratio Lower Upper

146 100

111 39.5 29.4 54.6

148 64.0 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 5.180 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. 0.003 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

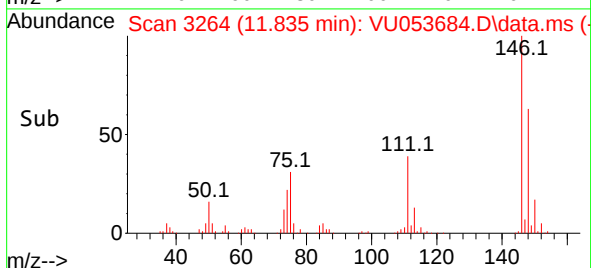
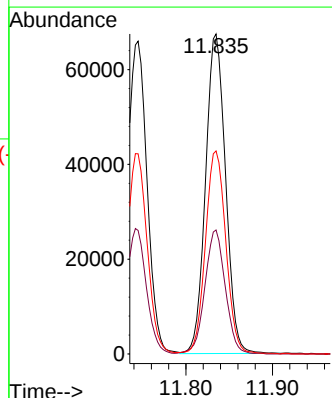
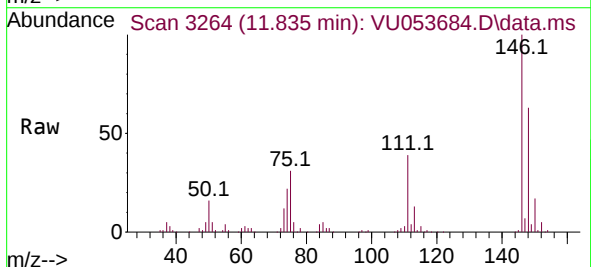
Tgt Ion:146 Resp: 108231

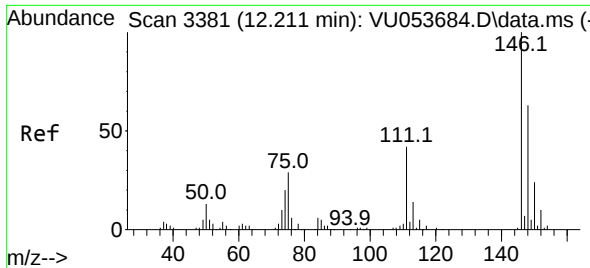
Ion Ratio Lower Upper

146 100

111 38.7 29.8 55.4

148 63.4 43.0 80.0





#67

1,2-Dichlorobenzene

Concen: 5.118 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005147

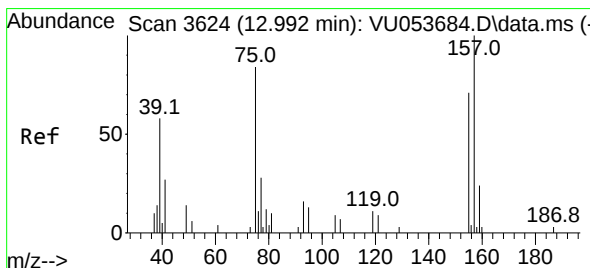
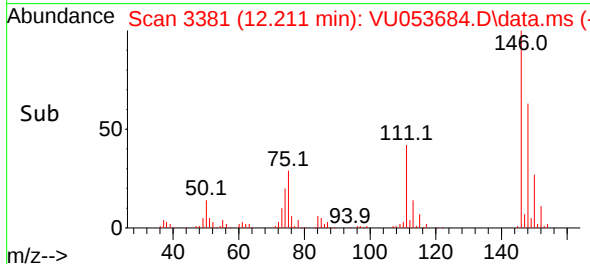
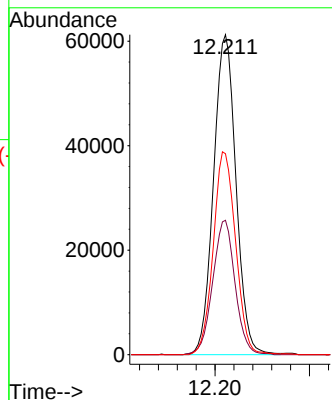
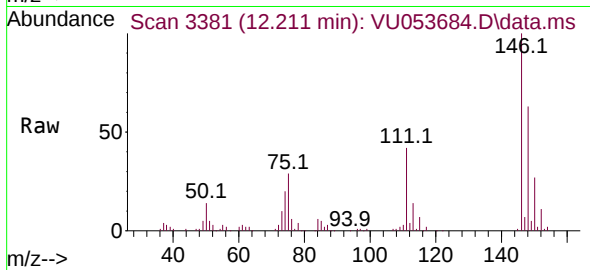
Tgt Ion:146 Resp: 100964

Ion Ratio Lower Upper

146 100

111 42.0 35.0 52.6

148 62.8 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.527 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053684.D

Acq: 13 Apr 2023 15:08

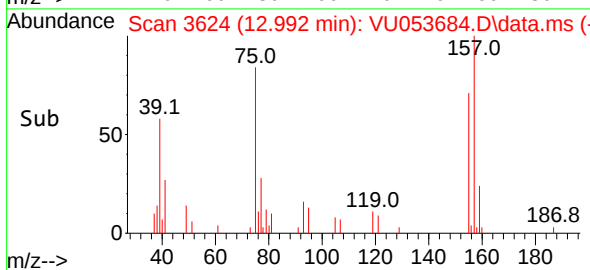
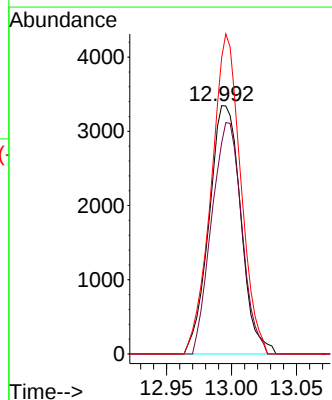
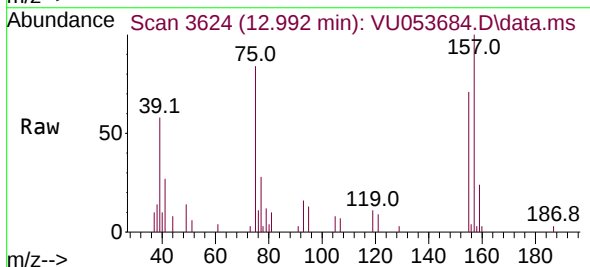
Tgt Ion: 75 Resp: 5667

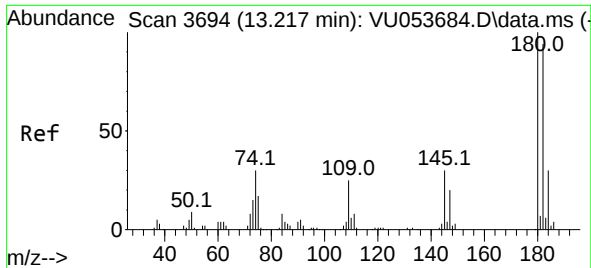
Ion Ratio Lower Upper

75 100

155 85.0 63.9 95.9

157 119.2 74.1 111.1#

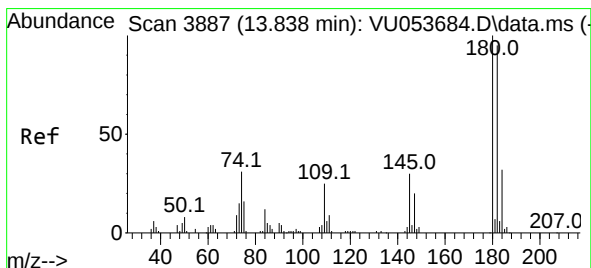
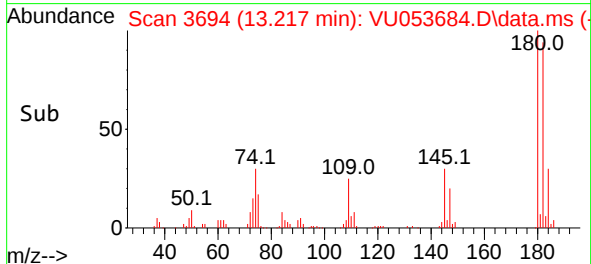
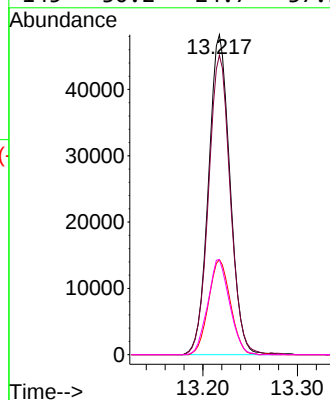
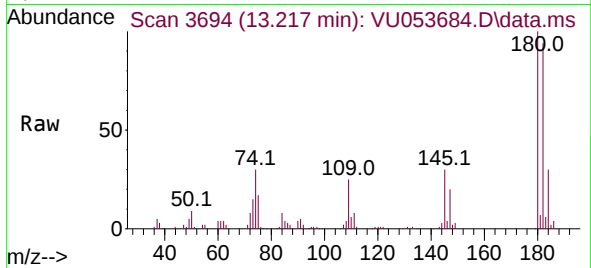




#69
1,3,5-Trichlorobenzene
Concen: 5.240 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.003 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

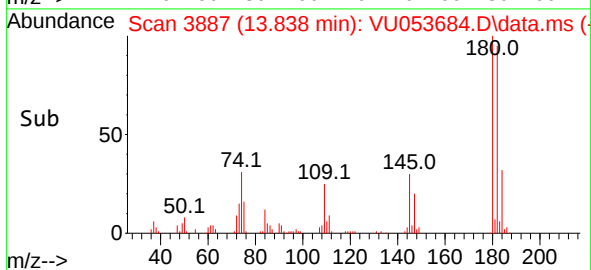
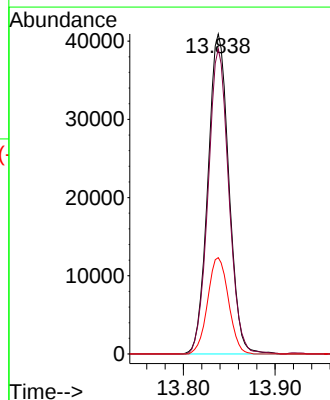
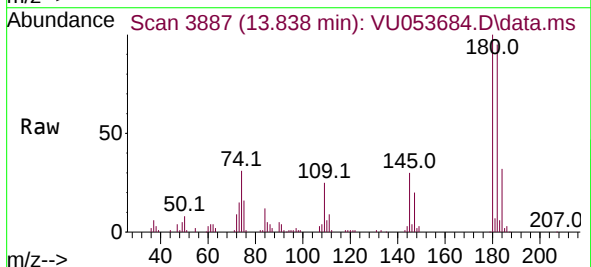
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

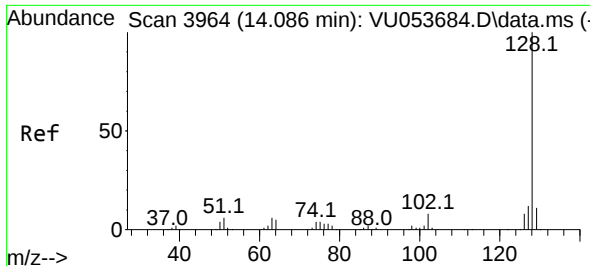
Tgt Ion:180	Resp:	76116
Ion Ratio	Lower	Upper
180	100	
182	94.6	76.7 115.1
184	30.1	24.1 36.1
145	30.2	24.7 37.1



#70
1,2,4-trichlorobenzene
Concen: 5.643 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Tgt Ion:180	Resp:	65181
Ion Ratio	Lower	Upper
180	100	
182	93.8	75.4 113.2
145	29.8	25.8 38.8



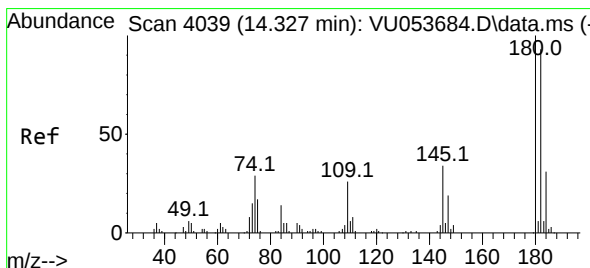
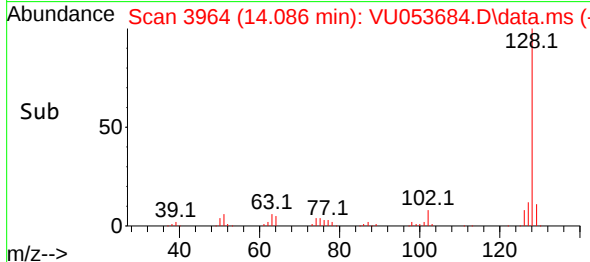
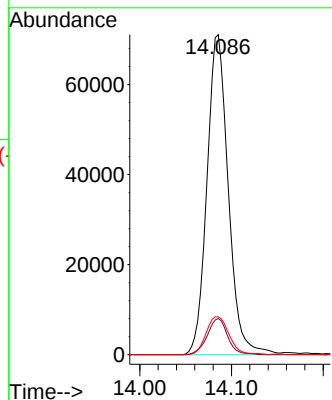
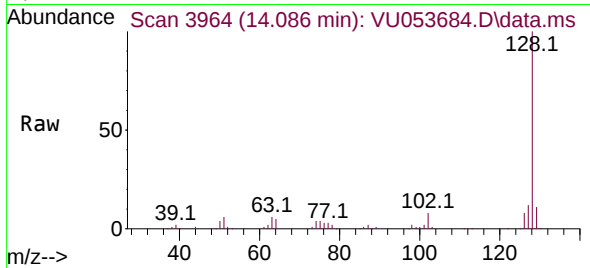


#71
Naphthalene

Concen: 5.284 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

Tgt Ion:128 Resp: 114982
Ion Ratio Lower Upper
128 100
129 10.8 8.2 12.4
127 12.7 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 5.878 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU053684.D
Acq: 13 Apr 2023 15:08

Tgt Ion:180 Resp: 59265
Ion Ratio Lower Upper
180 100
182 92.8 74.8 112.2
145 32.9 26.3 39.5

