

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110222\
 Data File : VU051690.D
 Acq On : 02 Nov 2022 14:26
 Operator : JC/MD
 Sample : N5321-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBWM6

Quant Time: Nov 03 01:48:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 03 01:45:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	189851	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	197098	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	119228	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	76374	5.341	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 106.800%		
7) Chloroethane-d5	1.909	69	66343	4.449	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 89.000%		
11) 1,1-Dichloroethene-d2	2.562	65	30487	5.875	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 117.400%		
20) 2-Butanone-d5	4.642	46	167033	32.256	ug/L	0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	= 64.520%		
24) Chloroform-d	5.060	84	148492	4.438	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 88.800%		
26) 1,2-Dichloroethane-d4	5.700	65	74659	4.131	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 82.600%		
32) Benzene-d6	5.722	84	292373	4.701	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 94.000%		
36) 1,2-Dichloropropane-d6	6.690	67	96250	4.425	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 88.600%		
41) Toluene-d8	7.896	98	230884	4.720	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 94.400%		
43) trans-1,3-Dichloroprop...	8.179	79	29832	4.486	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 89.800%		
46) 2-Hexanone-d5	8.632	63	158347	39.554	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 79.100%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	86569	4.343	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 86.800%		
66) 1,2-Dichlorobenzene-d4	12.188	152	109036	4.983	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 99.600%		
Target Compounds						Qvalue
3) Chloromethane	1.523	50	5696	0.218	ug/L	91
8) Chloroethane	2.195	64	2186	0.144	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-...	2.559	101	1156	0.071	ug/L #	24
13) Acetone	2.658	43	43054	16.386	ug/L	95
14) Carbon disulfide	2.787	76	305766	5.747	ug/L	99
21) 2-Butanone	4.729	43	10218	2.483	ug/L	92
22) cis-1,2-Dichloroethene	4.665	96	2247	0.115	ug/L	94
27) 1,2-Dichloroethane	5.771	62	5993	0.287	ug/L #	75
30) Cyclohexane	5.385	56	4113	0.167	ug/L	93
33) Benzene	5.771	78	769688	9.896	ug/L	100
35) Methylcyclohexane	6.761	83	16590	0.639	ug/L	95
42) Toluene	7.967	91	31188	0.390	ug/L	99
45) 1,1,2-Trichloroethane	8.272	97	6665	0.455	ug/L #	18
51) Chlorobenzene	9.443	112	1101334	21.906	ug/L	99
52) Ethylbenzene	9.568	91	191717	2.487	ug/L	100
53) m,p-Xylene	9.690	106	123363	4.121	ug/L	99
54) o-Xylene	10.099	106	80602	2.755	ug/L	92
55) Styrene	10.095	104	5707	0.117	ug/L #	1
60) Isopropylbenzene	11.288	105	227020	2.608	ug/L	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110222\
 Data File : VU051690.D
 Acq On : 02 Nov 2022 14:26
 Operator : JC/MD
 Sample : N5321-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBWM6

Quant Time: Nov 03 01:48:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 03 01:45:18 2022
 Response via : Initial Calibration

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

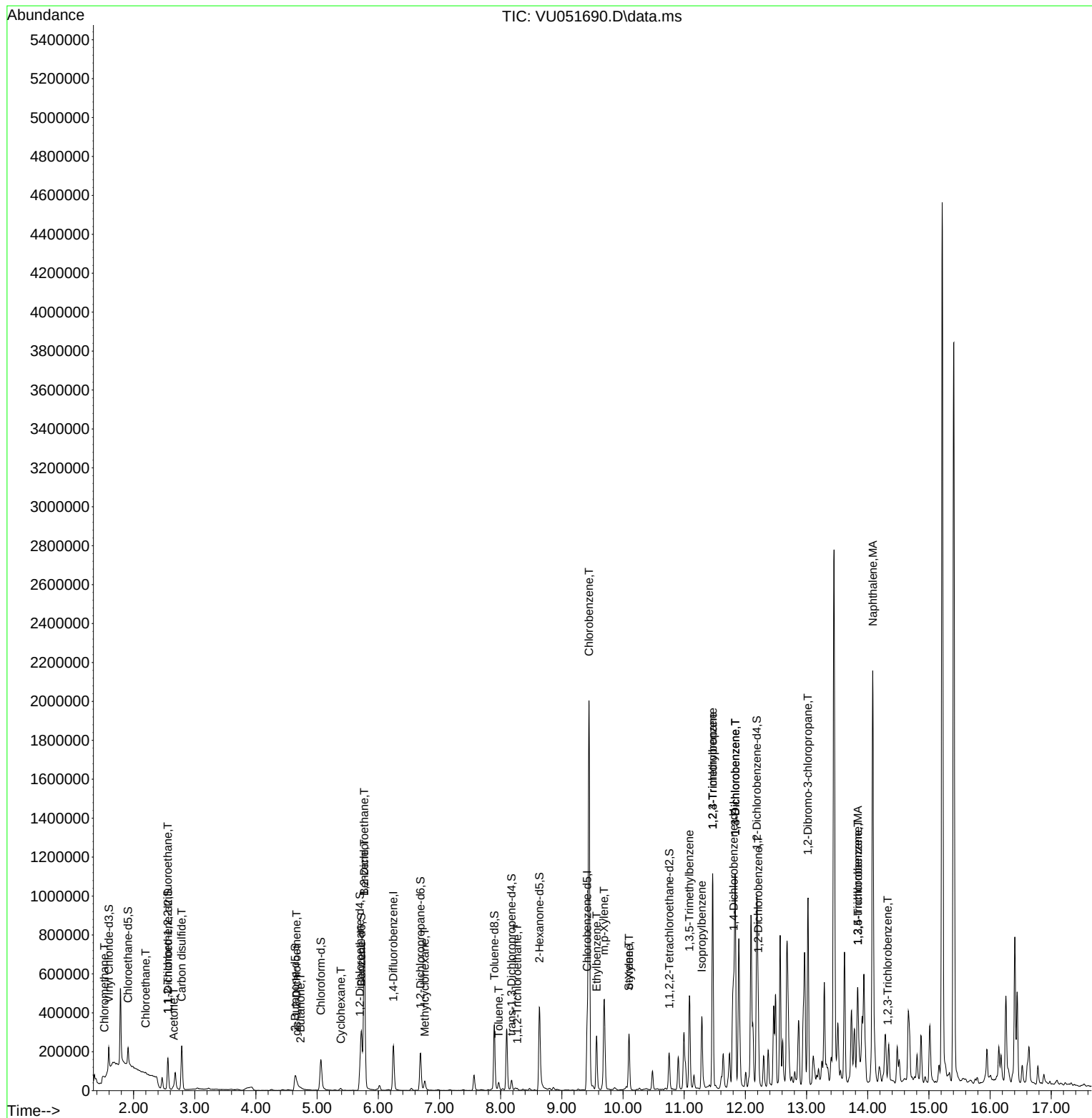
61) 1,2,3-Trichloropropane	11.465	75	5396	0.350	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.086	105	237859	10.151	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	604365	8.945	ug/L	99
64) 1,3-Dichlorobenzene	11.835	146	438834	10.127	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	438834	10.101	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	116993	2.772	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.021	75	3910	1.232	ug/L #	3
69) 1,3,5-Trichlorobenzene	13.838	180	23725	0.768	ug/L #	73
70) 1,2,4-trichlorobenzene	13.838	180	23725	1.001	ug/L #	72
71) Naphthalene	14.082	128	1714113	38.726	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	3104	0.130	ug/L #	1

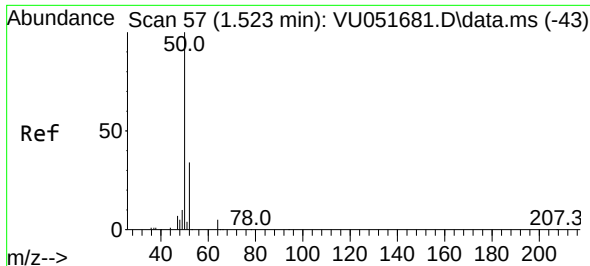
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110222\
Data File : VU051690.D
Acq On : 02 Nov 2022 14:26
Operator : JC/MD
Sample : N5321-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBWM6

Quant Time: Nov 03 01:48:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 03 01:45:18 2022
Response via : Initial Calibration

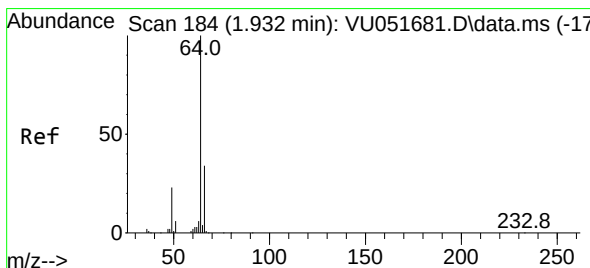
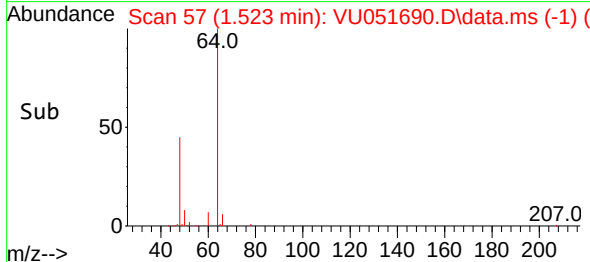
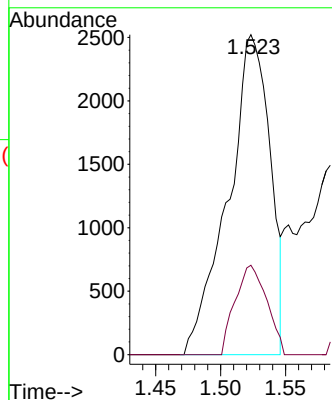
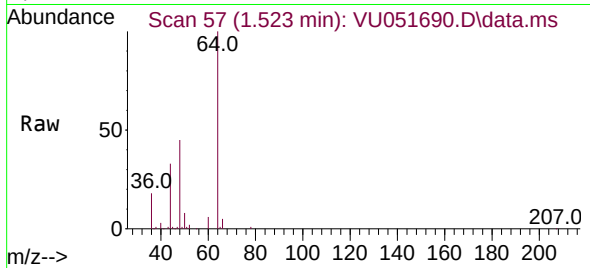




#3
Chloromethane
Concen: 0.218 ug/L
RT: 1.523 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

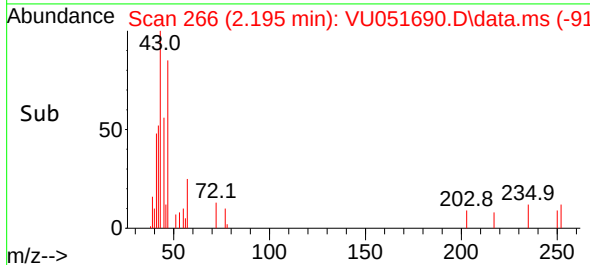
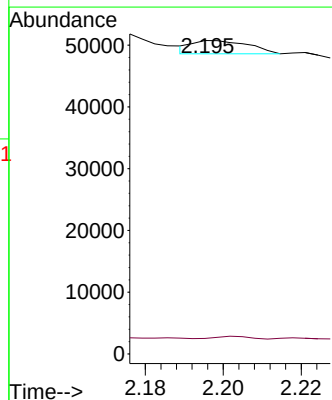
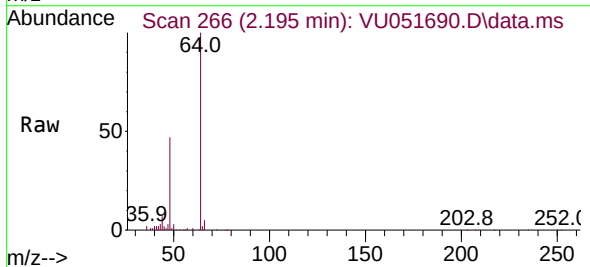
Instrument :
MSVOA_U
ClientSampleId :
DBWM6

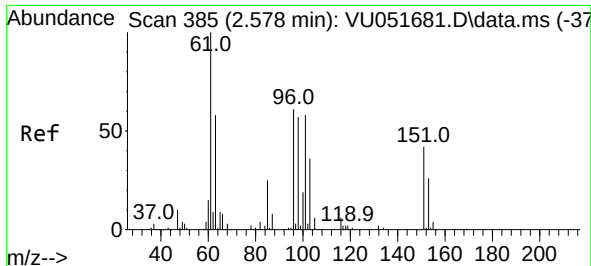
Tgt Ion: 50 Resp: 5696
Ion Ratio Lower Upper
50 100
52 28.0 23.2 43.2



#8
Chloroethane
Concen: 0.144 ug/L
RT: 2.195 min Scan# 266
Delta R.T. 0.264 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

Tgt Ion: 64 Resp: 2186
Ion Ratio Lower Upper
64 100
66 5.0 22.3 41.5#

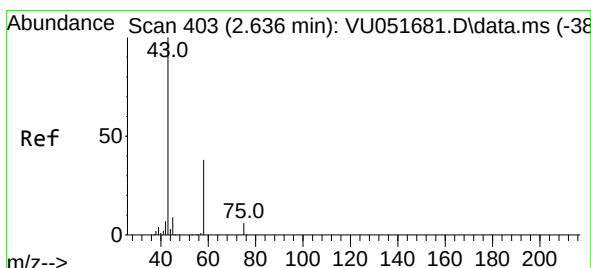
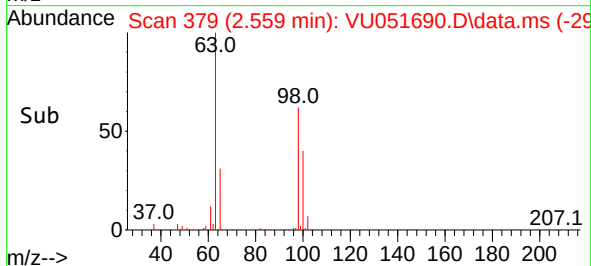
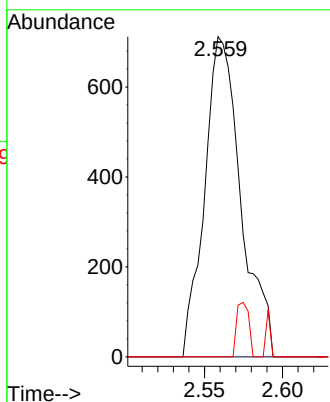
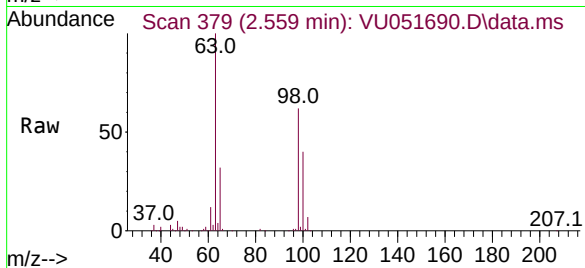




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.071 ug/L
RT: 2.559 min Scan# 31
Delta R.T. -0.019 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

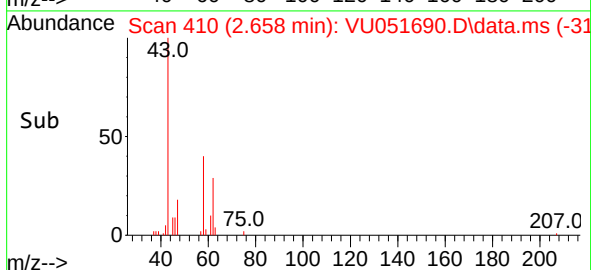
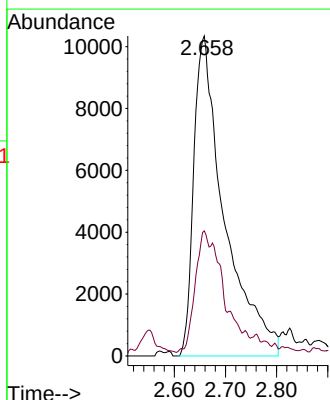
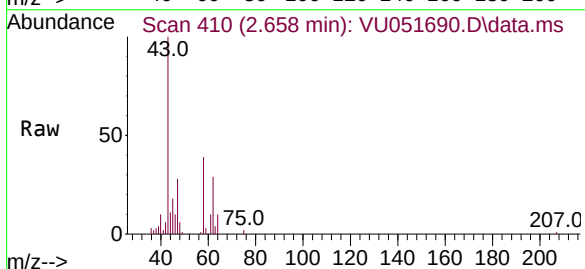
Instrument :
MSVOA_U
ClientSampleId :
DBWM6

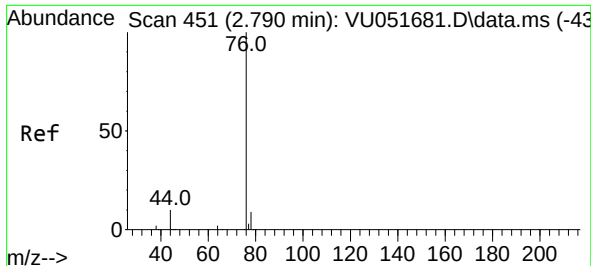
Tgt Ion:101 Resp: 1156
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 5.6 59.6 89.4#



#13
Acetone
Concen: 16.386 ug/L
RT: 2.658 min Scan# 410
Delta R.T. 0.022 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

Tgt Ion: 43 Resp: 43054
Ion Ratio Lower Upper
43 100
58 33.8 0.0 73.8

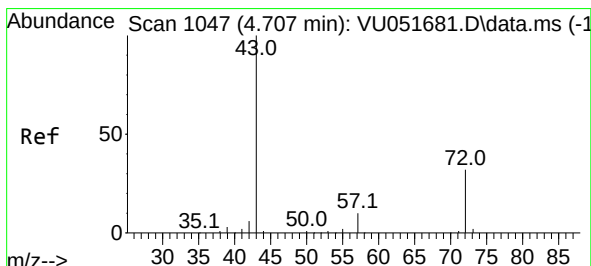
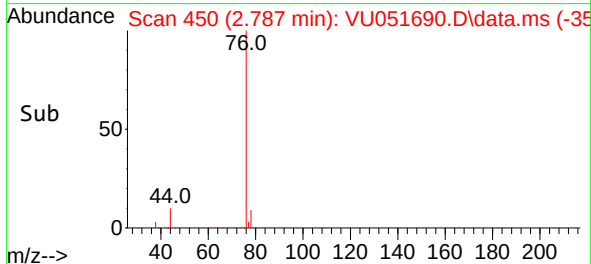
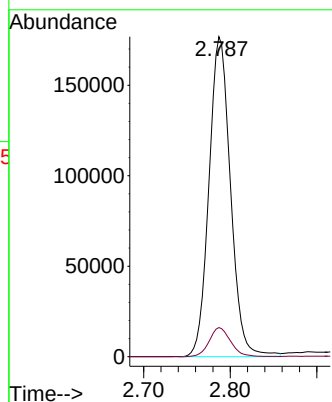
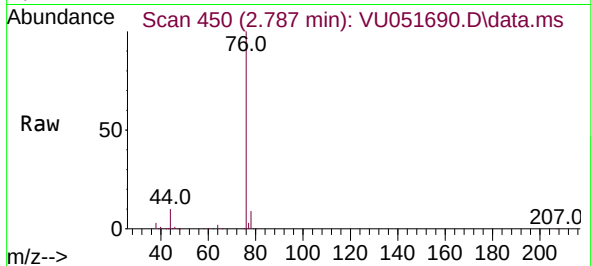




#14
Carbon disulfide
Concen: 5.747 ug/L
RT: 2.787 min Scan# 41
Delta R.T. -0.003 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

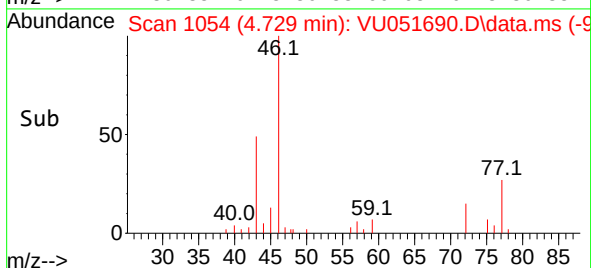
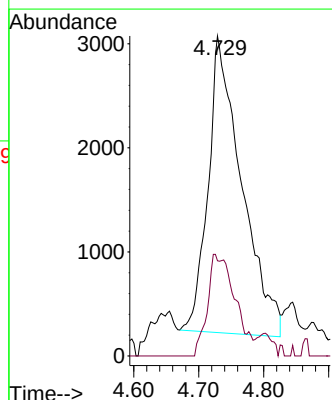
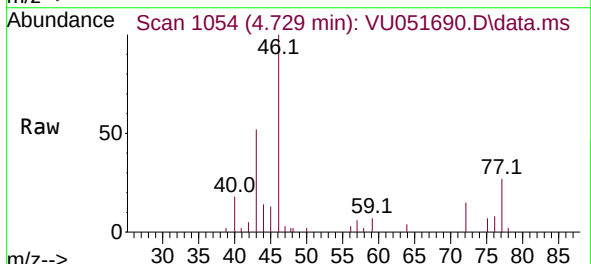
Instrument :
MSVOA_U
ClientSampleId :
DBWM6

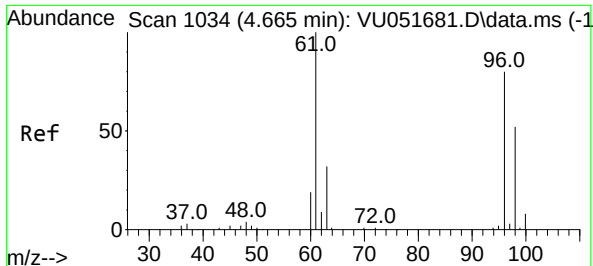
Tgt Ion: 76 Resp: 305766
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#21
2-Butanone
Concen: 2.483 ug/L
RT: 4.729 min Scan# 1054
Delta R.T. 0.022 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

Tgt Ion: 43 Resp: 10218
Ion Ratio Lower Upper
43 100
72 28.0 16.2 48.5



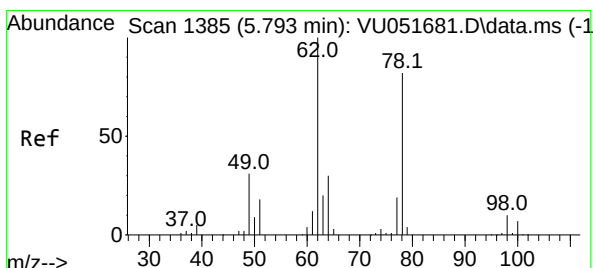
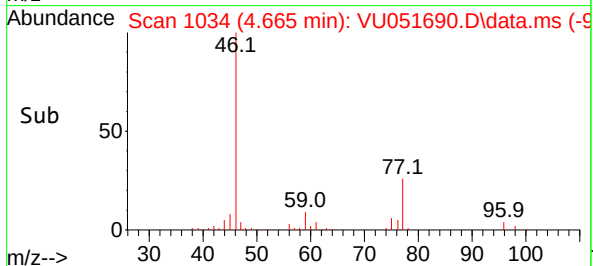
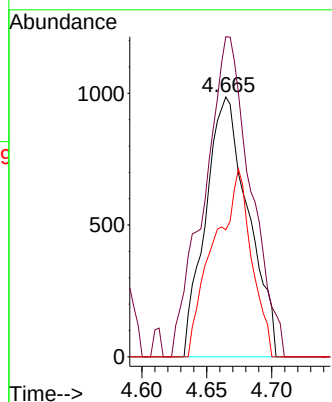
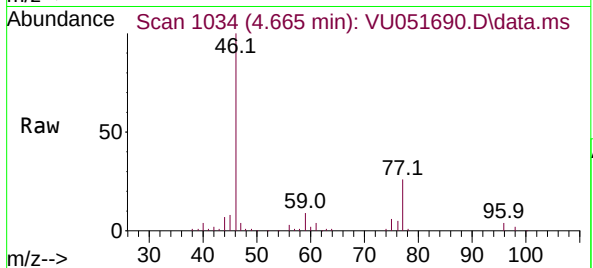


#22
 cis-1,2-Dichloroethene
 Concen: 0.115 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU051690.D
 Acq: 02 Nov 2022 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 DBWM6

Tgt Ion: 96 Resp: 2247

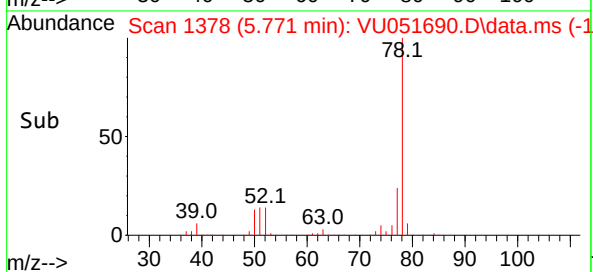
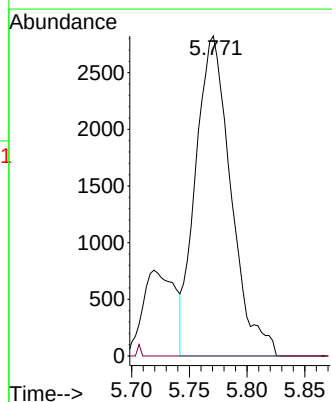
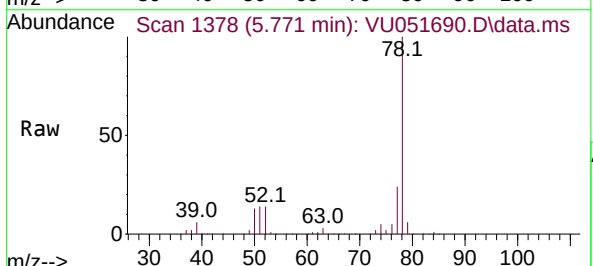
Ion	Ratio	Lower	Upper
96	100		
61	123.2	86.4	160.4
98	48.9	44.2	82.2

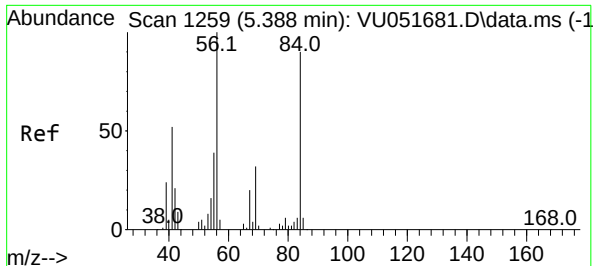


#27
 1,2-Dichloroethane
 Concen: 0.287 ug/L
 RT: 5.771 min Scan# 1378
 Delta R.T. -0.023 min
 Lab File: VU051690.D
 Acq: 02 Nov 2022 14:26

Tgt Ion: 62 Resp: 5993

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.4	11.0#





#30

Cyclohexane

Concen: 0.167 ug/L

RT: 5.385 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU051690.D

Acq: 02 Nov 2022 14:26

Instrument :

MSVOA_U

ClientSampleId :

DBWM6

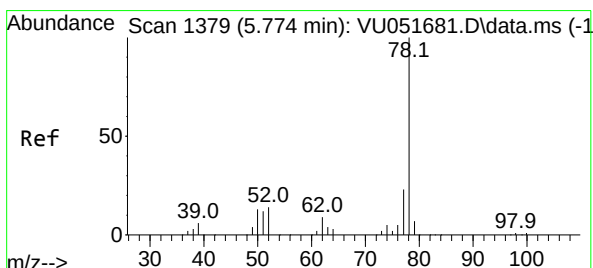
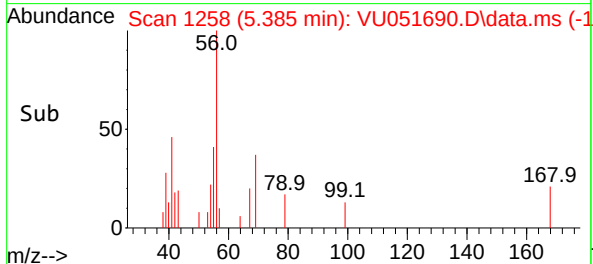
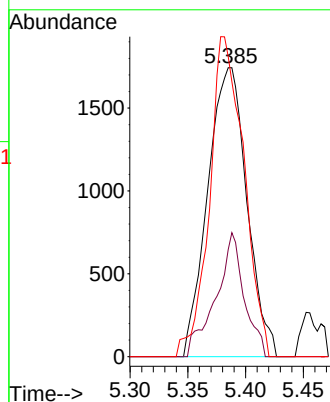
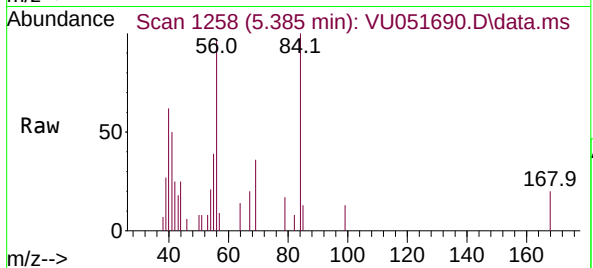
Tgt Ion: 56 Resp: 4113

Ion Ratio Lower Upper

56 100

69 31.0 25.4 38.0

84 97.1 71.4 107.0



#33

Benzene

Concen: 9.896 ug/L

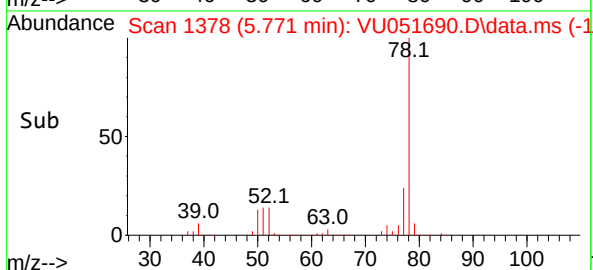
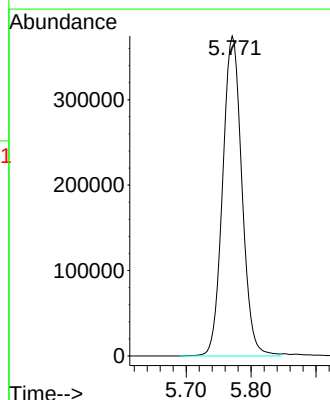
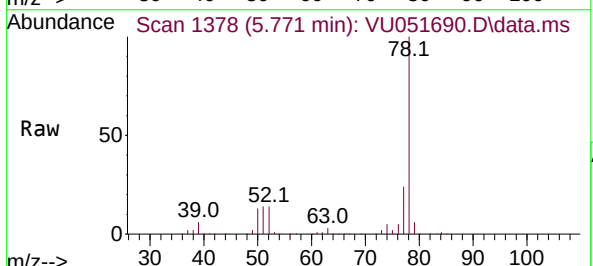
RT: 5.771 min Scan# 1378

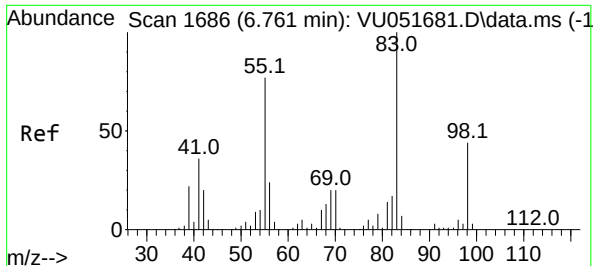
Delta R.T. -0.003 min

Lab File: VU051690.D

Acq: 02 Nov 2022 14:26

Tgt Ion: 78 Resp: 769688





#35

Methylcyclohexane

Concen: 0.639 ug/L

RT: 6.761 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051690.D

Acq: 02 Nov 2022 14:26

Instrument :

MSVOA_U

ClientSampleId :

DBWM6

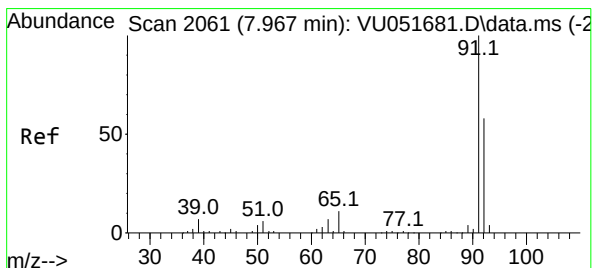
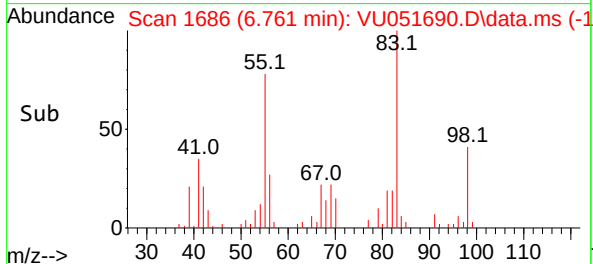
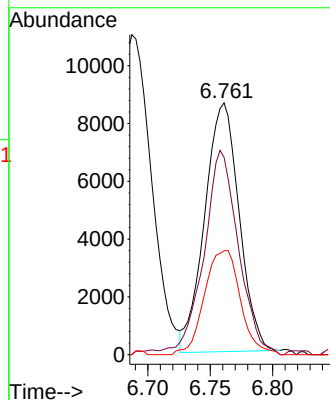
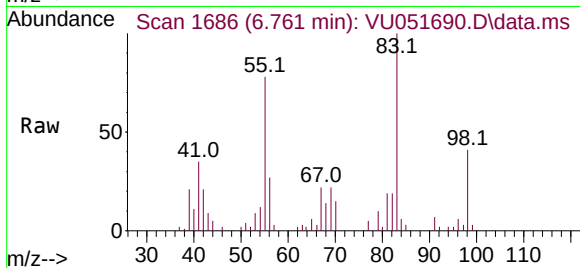
Tgt Ion: 83 Resp: 16590

Ion Ratio Lower Upper

83 100

55 82.2 60.6 90.8

98 43.7 35.8 53.6



#42

Toluene

Concen: 0.390 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051690.D

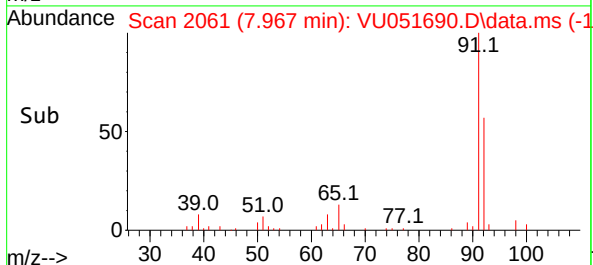
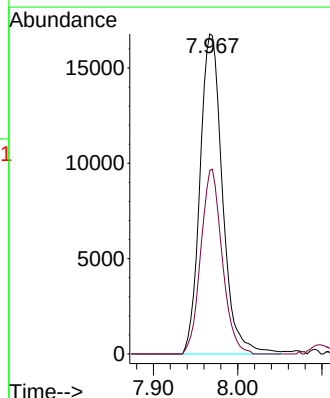
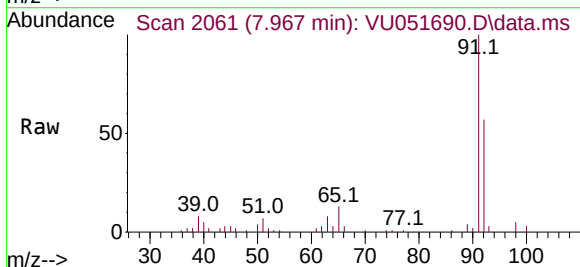
Acq: 02 Nov 2022 14:26

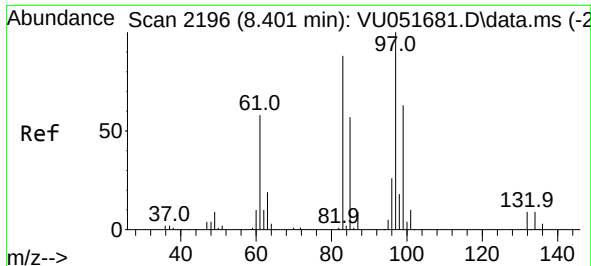
Tgt Ion: 91 Resp: 31188

Ion Ratio Lower Upper

91 100

92 57.4 40.5 75.3

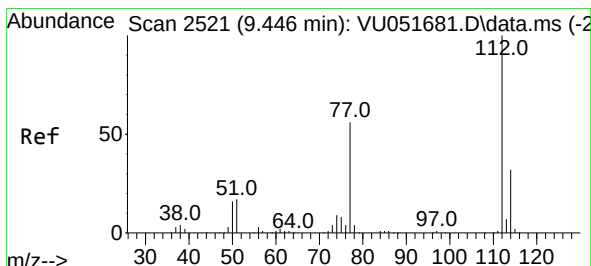
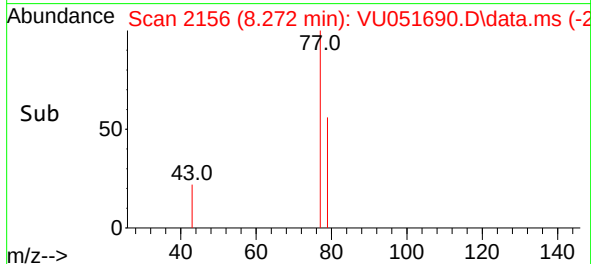
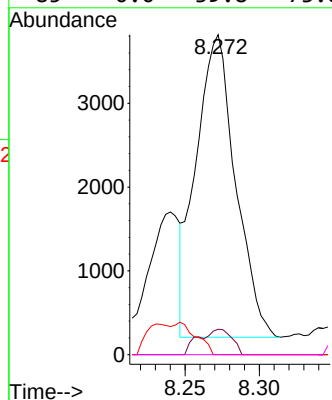
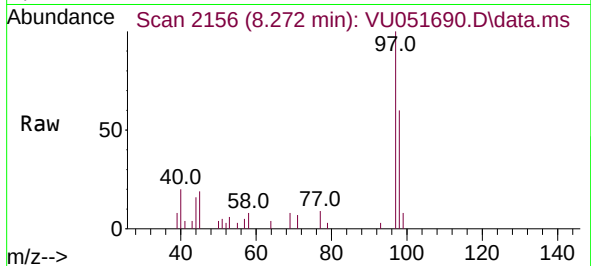




#45
1,1,2-Trichloroethane
Concen: 0.455 ug/L
RT: 8.272 min Scan# 2196
Delta R.T. -0.129 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

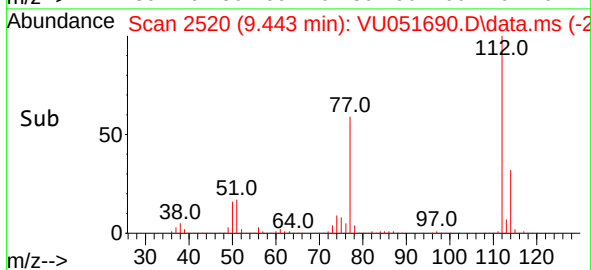
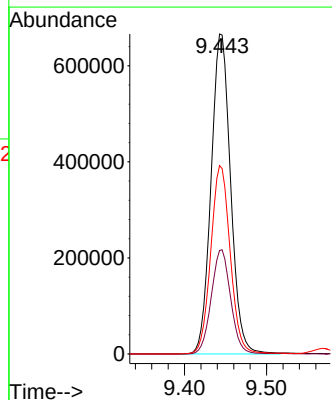
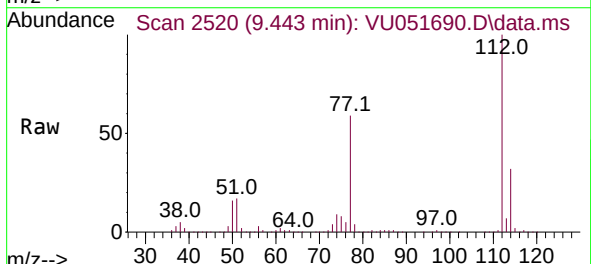
Instrument :
MSVOA_U
ClientSampleId :
DBWM6

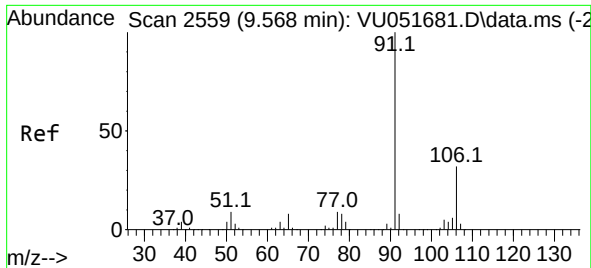
Tgt Ion: 97	Resp: 6665
Ion Ratio	Lower Upper
97 100	
99 8.0	43.4 80.6#
83 0.0	61.3 113.9#
85 0.0	39.8 73.8#



#51
Chlorobenzene
Concen: 21.906 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.003 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

Tgt Ion: 112	Resp: 1101334
Ion Ratio	Lower Upper
112 100	
114 32.4	22.0 40.8
77 58.9	46.7 70.1

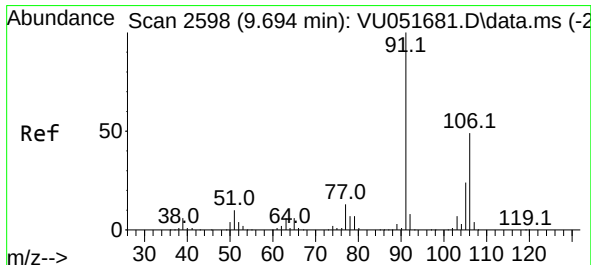
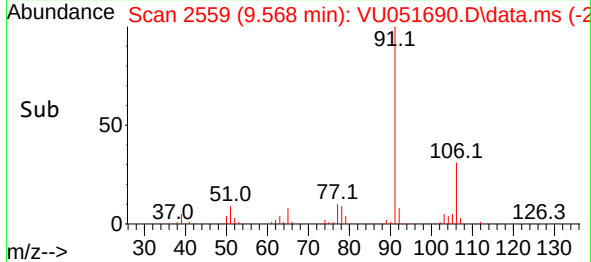
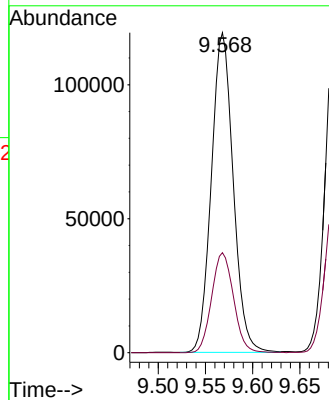
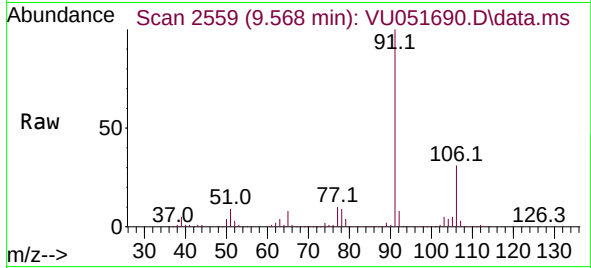




#52
Ethylbenzene
Concen: 2.487 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

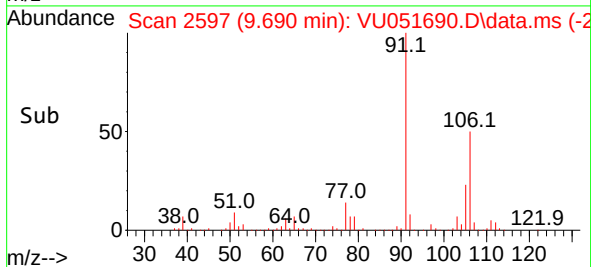
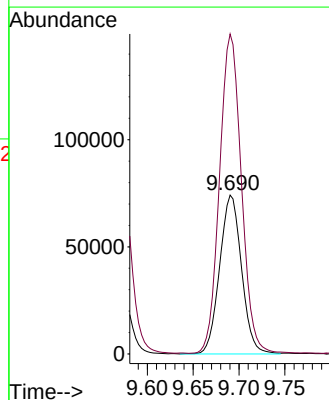
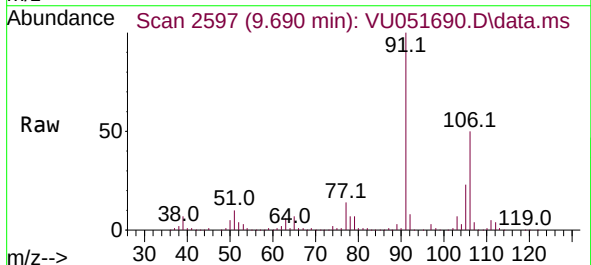
Instrument :
MSVOA_U
ClientSampleId :
DBWM6

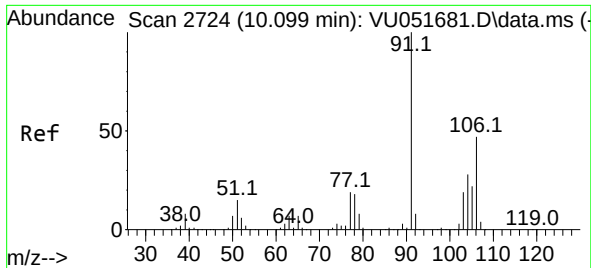
Tgt Ion: 91 Resp: 191717
Ion Ratio Lower Upper
91 100
106 31.3 21.8 40.6



#53
m,p-Xylene
Concen: 4.121 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

Tgt Ion: 106 Resp: 123363
Ion Ratio Lower Upper
106 100
91 201.4 139.4 259.0

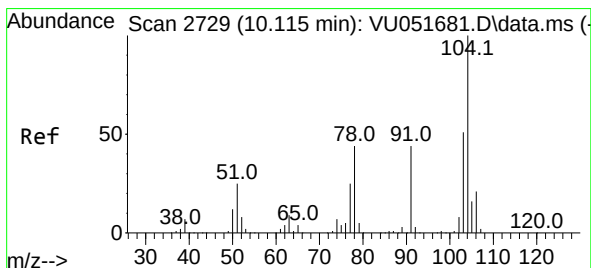
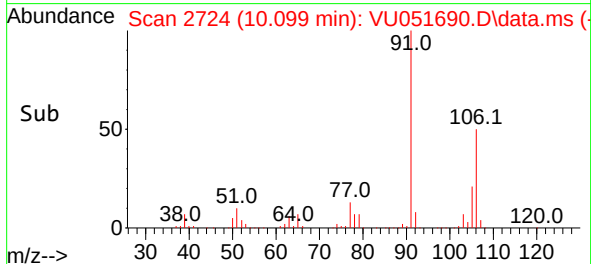
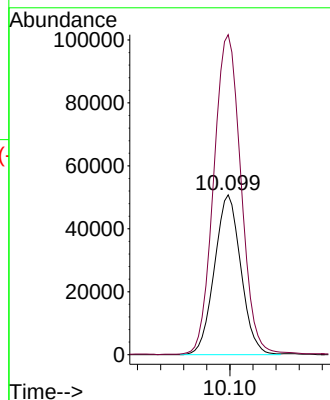
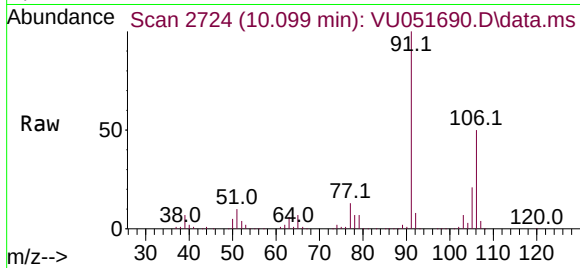




#54
o-Xylene
Concen: 2.755 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

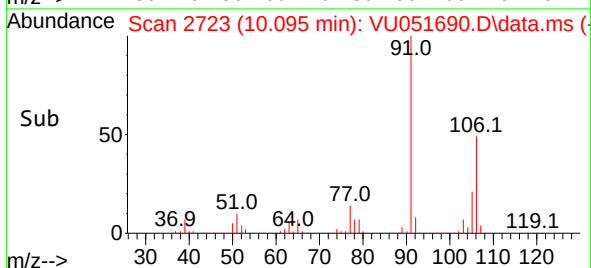
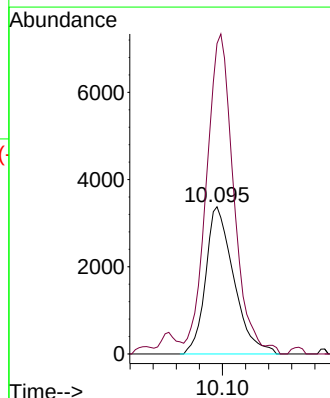
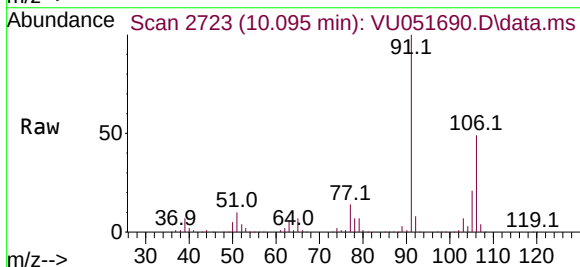
Instrument :
MSVOA_U
ClientSampleId :
DBWM6

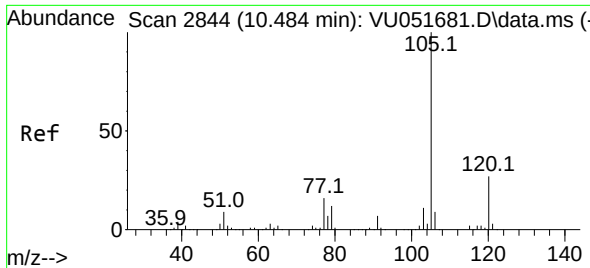
Tgt Ion:106 Resp: 80602
Ion Ratio Lower Upper
106 100
91 200.2 149.2 277.2



#55
Styrene
Concen: 0.117 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.019 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

Tgt Ion:104 Resp: 5707
Ion Ratio Lower Upper
104 100
78 210.9 31.8 59.0#

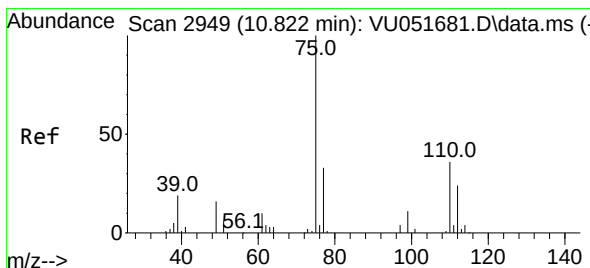
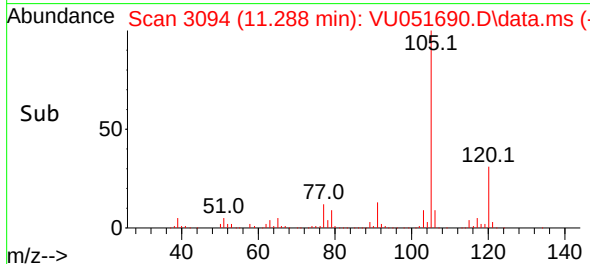
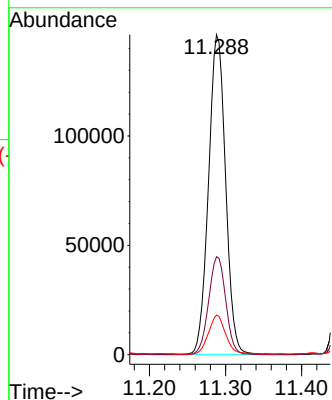
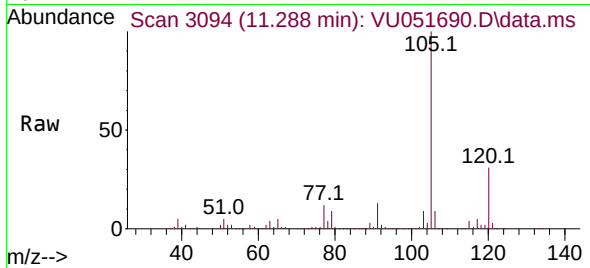




#60
Isopropylbenzene
Concen: 2.608 ug/L
RT: 11.288 min Scan# 3149
Delta R.T. 0.804 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

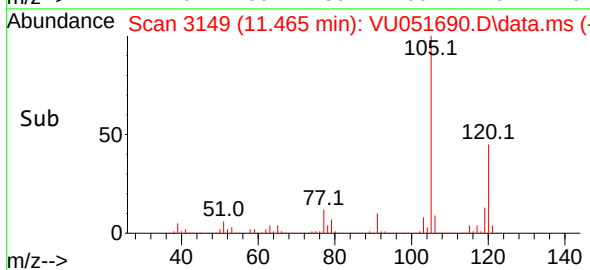
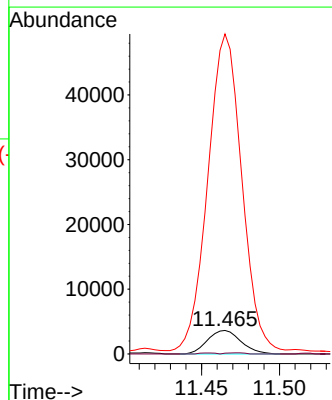
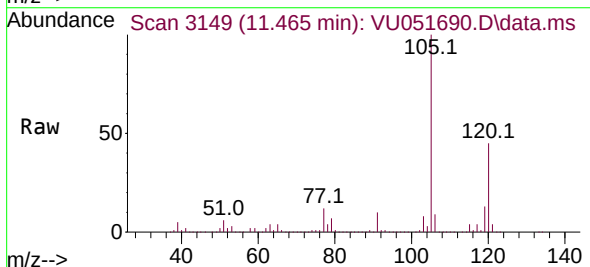
Instrument :
MSVOA_U
ClientSampleId :
DBWM6

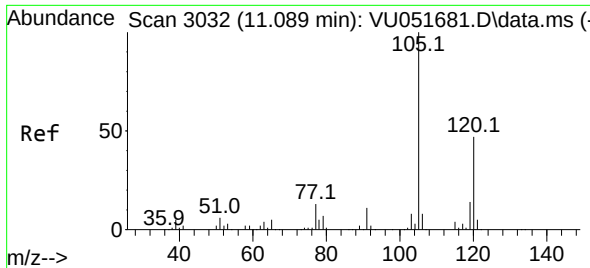
Tgt Ion:105 Resp: 227020
Ion Ratio Lower Upper
105 100
120 30.9 20.9 31.3
77 12.4 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 0.350 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.643 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

Tgt Ion: 75 Resp: 5396
Ion Ratio Lower Upper
75 100
110 21.3 28.7 43.1#
77 1361.4 26.1 39.1#

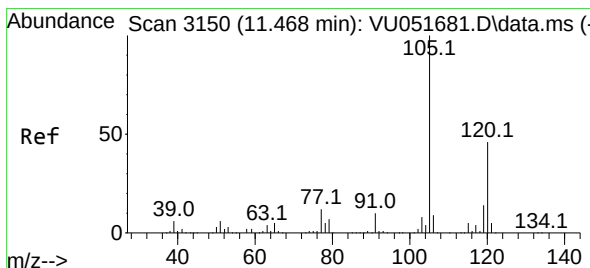
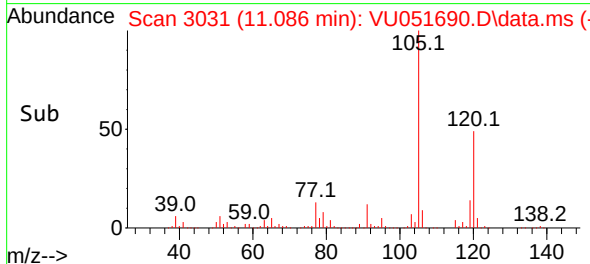
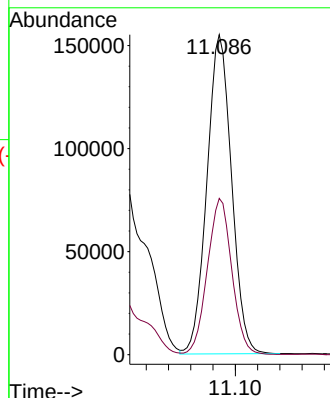
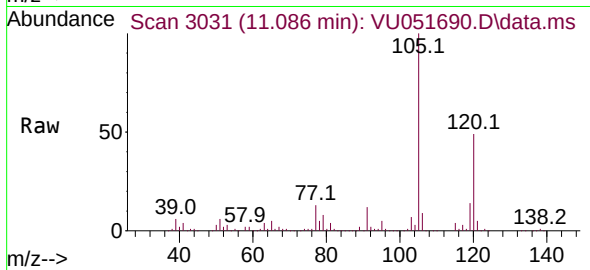




#62
1,3,5-Trimethylbenzene
Concen: 10.151 ug/L
RT: 11.086 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

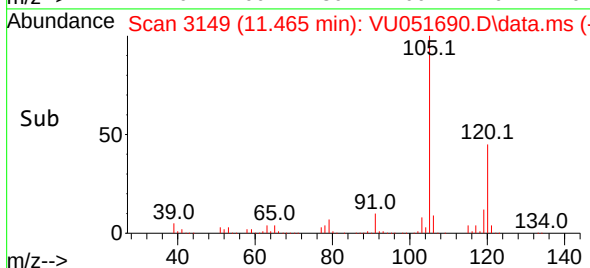
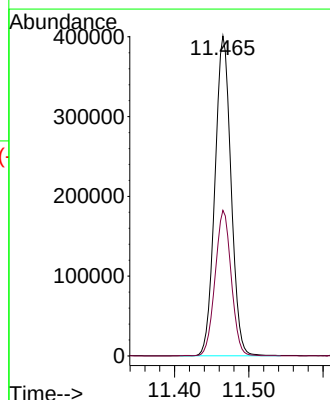
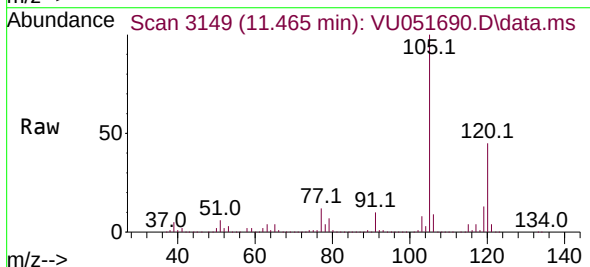
Instrument :
MSVOA_U
ClientSampleId :
DBWM6

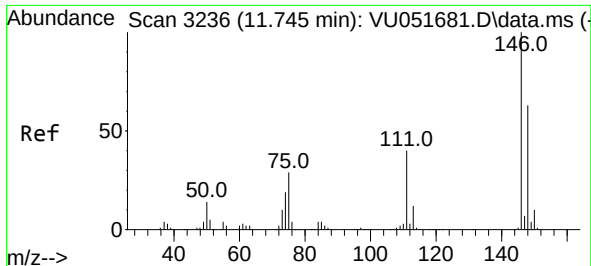
Tgt Ion:105 Resp: 237859
Ion Ratio Lower Upper
105 100
120 48.5 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 8.945 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.003 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

Tgt Ion:105 Resp: 604365
Ion Ratio Lower Upper
105 100
120 45.3 35.8 53.6

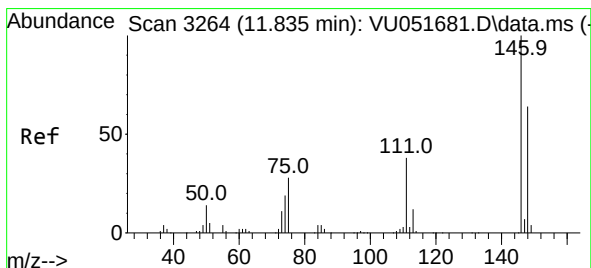
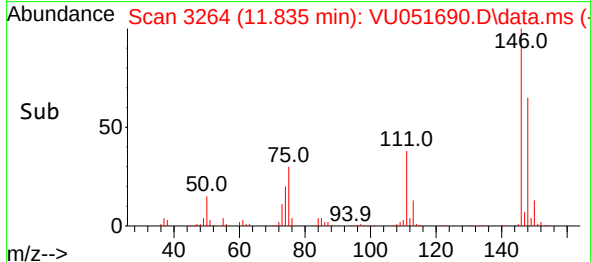
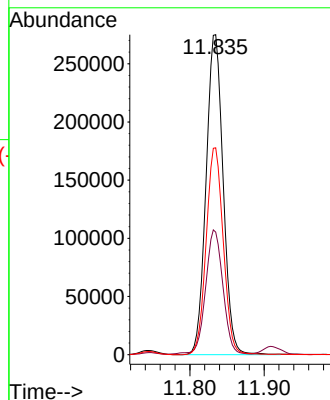
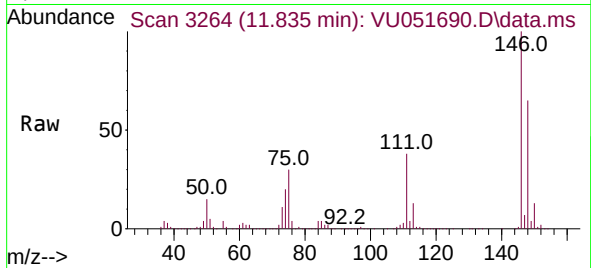




#64
1,3-Dichlorobenzene
Concen: 10.127 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.090 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

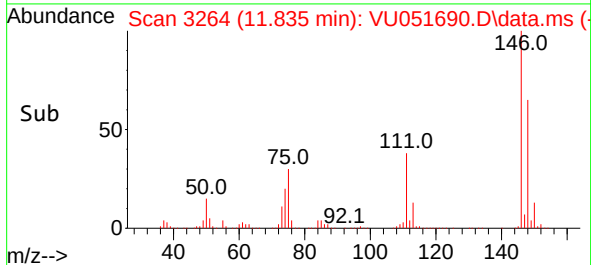
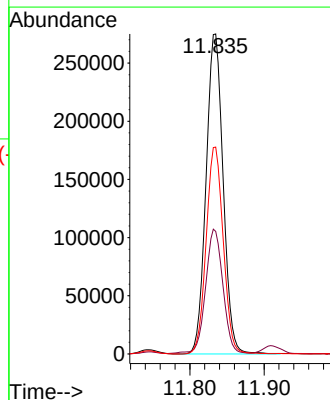
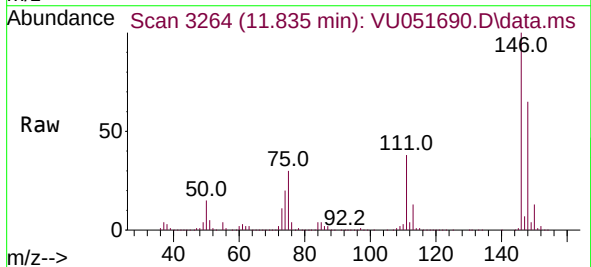
Instrument :
MSVOA_U
ClientSampleId :
DBWM6

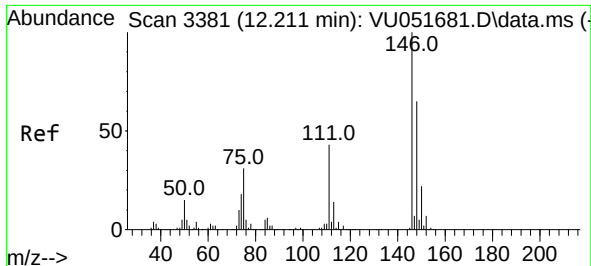
Tgt Ion:146 Resp: 438834
Ion Ratio Lower Upper
146 100
111 38.3 28.6 53.2
148 64.6 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 10.101 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

Tgt Ion:146 Resp: 438834
Ion Ratio Lower Upper
146 100
111 38.3 26.7 49.5
148 64.6 43.5 80.9

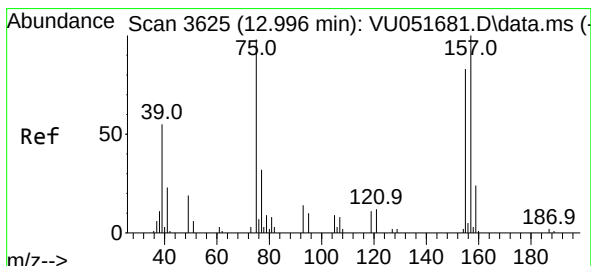
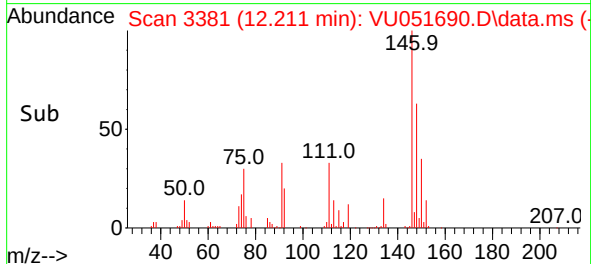
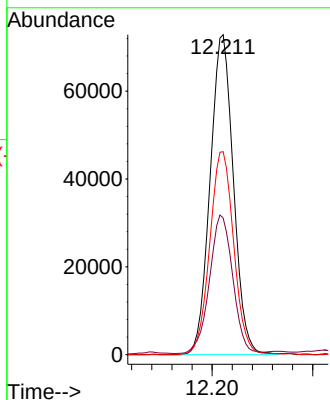
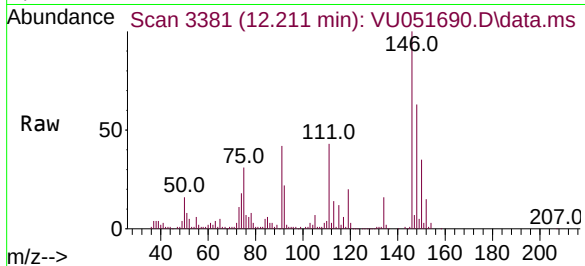




#67
1,2-Dichlorobenzene
Concen: 2.772 ug/L
RT: 12.211 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

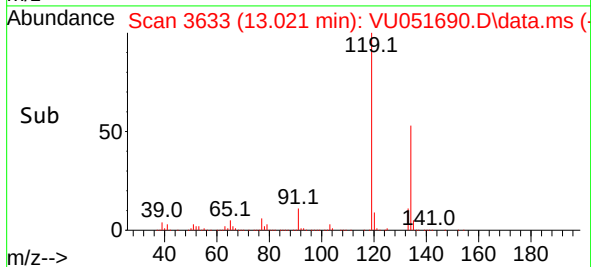
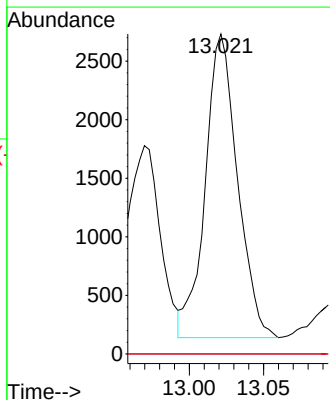
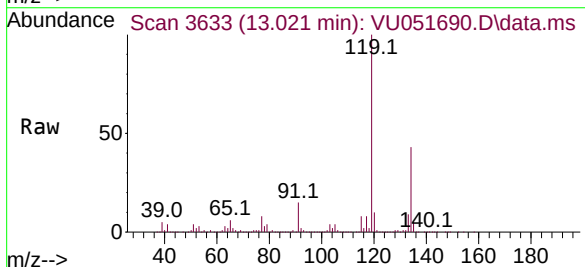
Instrument :
MSVOA_U
ClientSampleId :
DBWM6

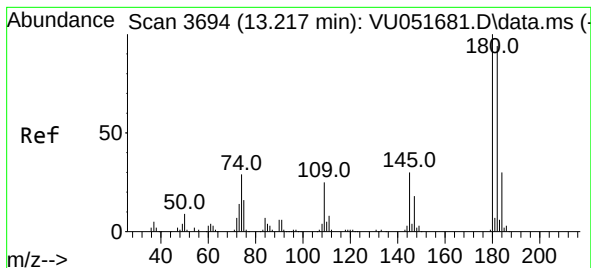
Tgt Ion:146 Resp: 116993
Ion Ratio Lower Upper
146 100
111 42.7 34.2 51.2
148 63.5 50.1 75.1



#68
1,2-Dibromo-3-chloropropane
Concen: 1.232 ug/L
RT: 13.021 min Scan# 3633
Delta R.T. 0.026 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

Tgt Ion: 75 Resp: 3910
Ion Ratio Lower Upper
75 100
155 0.0 61.4 92.2#
157 0.0 86.7 130.1#





#69

1,3,5-Trichlorobenzene

Concen: 0.768 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.620 min

Lab File: VU051690.D

Acq: 02 Nov 2022 14:26

Instrument :

MSVOA_U

ClientSampleId :

DBWM6

Tgt Ion:180 Resp: 23725

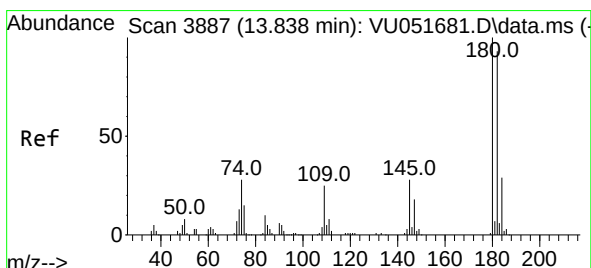
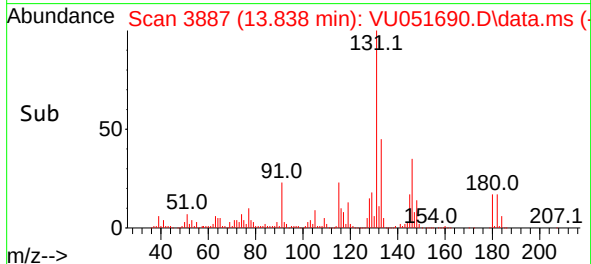
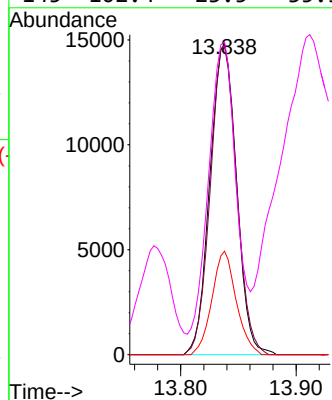
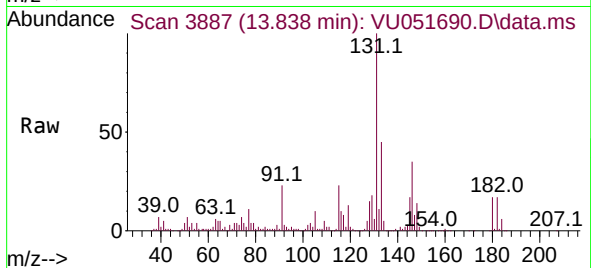
Ion Ratio Lower Upper

180 100

182 98.1 77.0 115.6

184 30.4 23.7 35.5

145 102.4 23.5 35.3#



#70

1,2,4-trichlorobenzene

Concen: 1.001 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.000 min

Lab File: VU051690.D

Acq: 02 Nov 2022 14:26

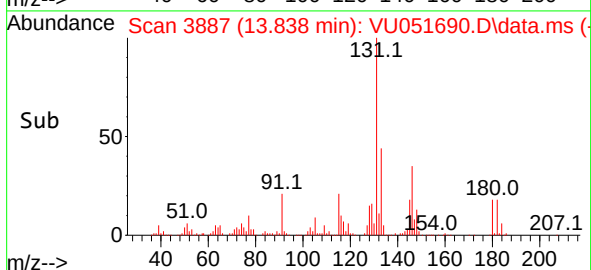
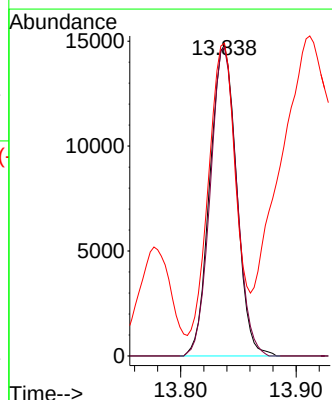
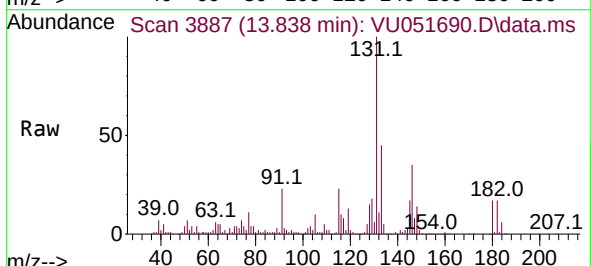
Tgt Ion:180 Resp: 23725

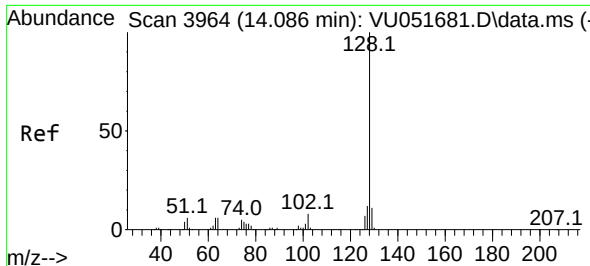
Ion Ratio Lower Upper

180 100

182 98.1 77.8 116.6

145 93.6 25.0 37.6#

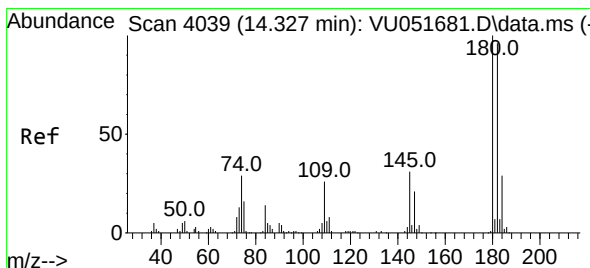
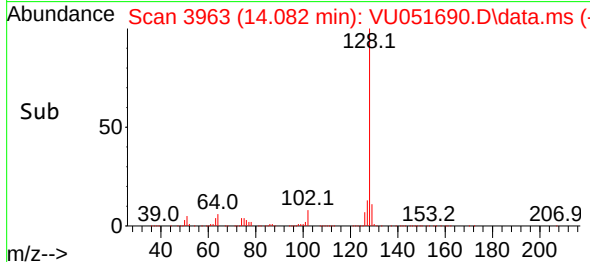
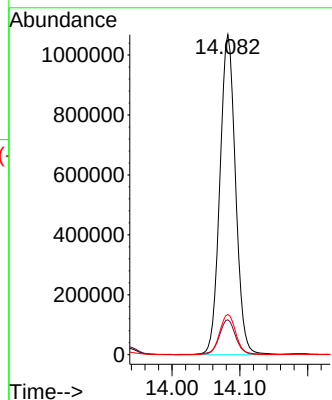
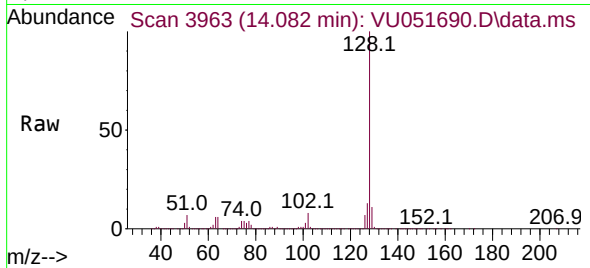




#71
Naphthalene
Concen: 38.726 ug/L
RT: 14.082 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

Instrument :
MSVOA_U
ClientSampleId :
DBWM6

Tgt Ion:128 Resp: 1714113
Ion Ratio Lower Upper
128 100
129 11.4 8.4 12.6
127 13.0 10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 0.130 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051690.D
Acq: 02 Nov 2022 14:26

Tgt Ion:180 Resp: 3104
Ion Ratio Lower Upper
180 100
182 107.1 76.1 114.1
145 776.5 25.6 38.4#

