

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110222\
 Data File : VU051702.D
 Acq On : 02 Nov 2022 19:51
 Operator : JC/MD
 Sample : N5321-22MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBWU9MSD

Quant Time: Nov 03 01:51:01 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	193261	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	203062	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	107983	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	72754	4.998	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.000%
7) Chloroethane-d5	1.906	69	66929	4.409	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.200%
11) 1,1-Dichloroethene-d2	2.562	65	28897	5.470	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.400%
20) 2-Butanone-d5	4.620	46	206024	39.084	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.160%
24) Chloroform-d	5.060	84	155637	4.569	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	5.700	65	76029	4.132	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
32) Benzene-d6	5.726	84	300562	4.690	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	6.687	67	97361	4.345	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.000%
41) Toluene-d8	7.896	98	277293	5.503	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.000%
43) trans-1,3-Dichloroprop...	8.179	79	30730	4.485	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.800%
46) 2-Hexanone-d5	8.629	63	176233	42.729	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.460%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	90689	4.417	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	99608	5.026	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	103834	4.913	ug/L	100
3) Chloromethane	1.526	50	128924	4.839	ug/L	99
5) Vinyl chloride	1.600	62	131168	5.139	ug/L	# 1
6) Bromomethane	1.845	94	35492	2.933	ug/L	100
8) Chloroethane	1.928	64	80003	5.162	ug/L	83
9) Trichlorofluoromethane	2.134	101	143702	5.129	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	80284	4.874	ug/L	99
12) 1,1-Dichloroethene	2.575	96	83539	4.972	ug/L	91
13) Acetone	2.620	43	154298	57.690	ug/L	98
14) Carbon disulfide	2.790	76	267074	4.931	ug/L	99
15) Methyl Acetate	2.948	43	25928	3.703	ug/L	96
16) Methylene chloride	3.041	84	109867	3.992	ug/L	98
17) Methyl tert-butyl Ether	3.359	73	216876	5.629	ug/L	100
18) trans-1,2-Dichloroethene	3.350	96	95163	5.278	ug/L	99
19) 1,1-Dichloroethane	3.867	63	182907	5.500	ug/L	99
21) 2-Butanone	4.697	43	262404	62.649	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	111899	5.609	ug/L	99
23) Bromochloromethane	4.970	128	50246	5.386	ug/L	96
25) Chloroform	5.086	83	185714	5.383	ug/L	100

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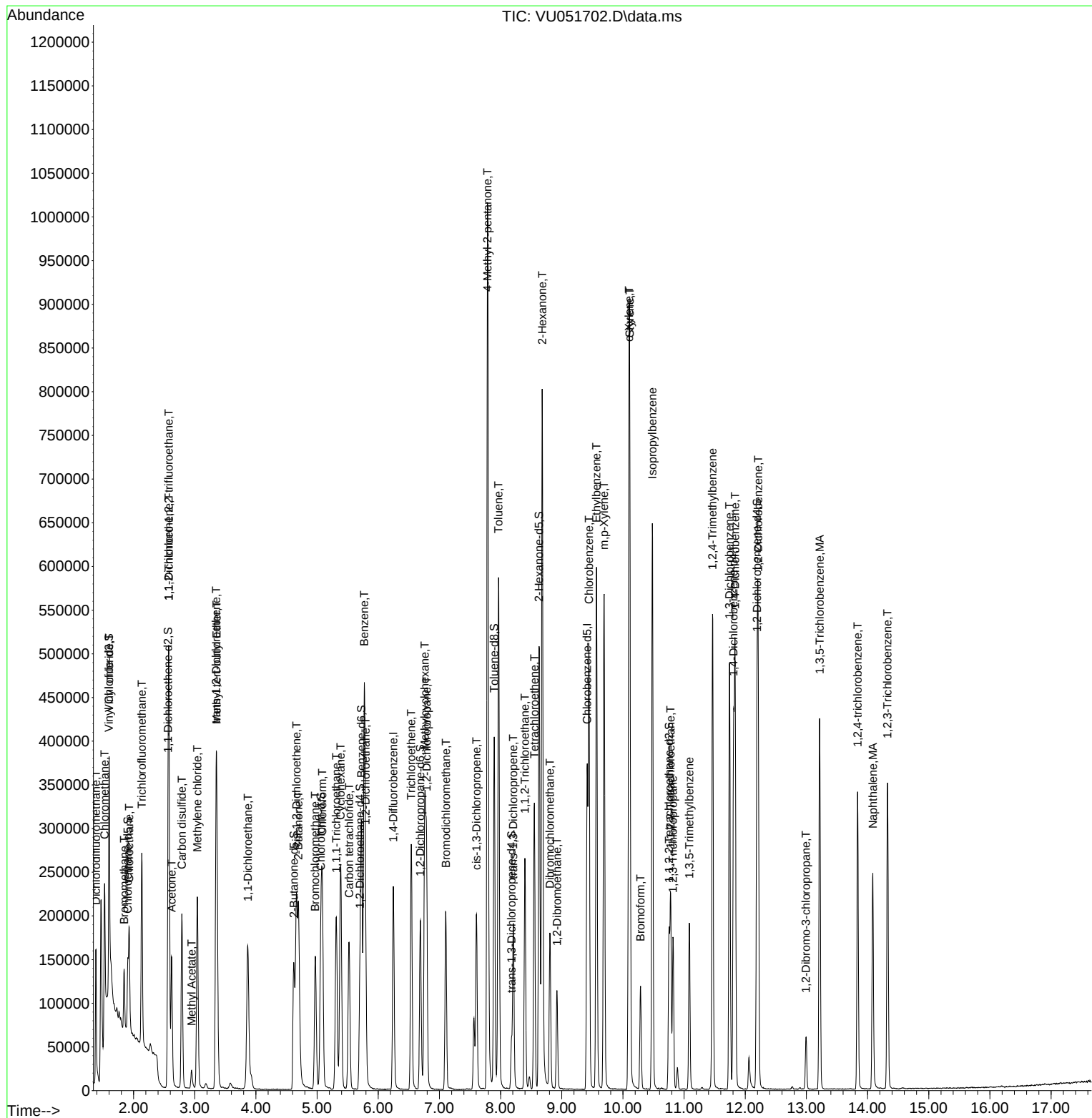
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	116518	5.488	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	144386	5.237	ug/L	99
30) Cyclohexane	5.385	56	120487	4.746	ug/L	99
31) Carbon tetrachloride	5.523	117	118224	5.014	ug/L	100
33) Benzene	5.771	78	421334	5.258	ug/L	100
34) Trichloroethene	6.539	95	101618	5.255	ug/L	99
35) Methylcyclohexane	6.761	83	120837	4.519	ug/L	99
37) 1,2-Dichloropropane	6.790	63	110366	5.355	ug/L	99
38) Bromodichloromethane	7.105	83	136605	5.426	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	122225	4.622	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	629871	60.928	ug/L	100
42) Toluene	7.967	91	440113	5.348	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	109096	4.937	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	85188	5.640	ug/L	99
47) Tetrachloroethene	8.552	164	74033	4.999	ug/L	94
48) 2-Hexanone	8.681	43	471539	61.622	ug/L	99
49) Dibromochloromethane	8.806	129	93465	5.417	ug/L	97
50) 1,2-Dibromoethane	8.922	107	76155	5.589	ug/L	94
51) Chlorobenzene	9.446	112	274726	5.304	ug/L	99
52) Ethylbenzene	9.568	91	417352	5.256	ug/L	99
53) m,p-Xylene	9.693	106	164681	5.339	ug/L	100
54) o-Xylene	10.098	106	165297	5.484	ug/L	99
55) Styrene	10.111	104	278563	5.528	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	112516	6.008	ug/L	100
59) Bromoform	10.288	173	53525	5.365	ug/L	97
60) Isopropylbenzene	10.481	105	407412	5.168	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	75650	5.418	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	102486	4.829	ug/L	97
63) 1,2,4-Trimethylbenzene	11.465	105	302190	4.938	ug/L	100
64) 1,3-Dichlorobenzene	11.741	146	206010	5.249	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	199388	5.067	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	203369	5.320	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	16305	5.671	ug/L	91
69) 1,3,5-Trichlorobenzene	13.217	180	135339	4.838	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	106895	4.978	ug/L	98
71) Naphthalene	14.085	128	209441	5.225	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	112317	5.179	ug/L	99

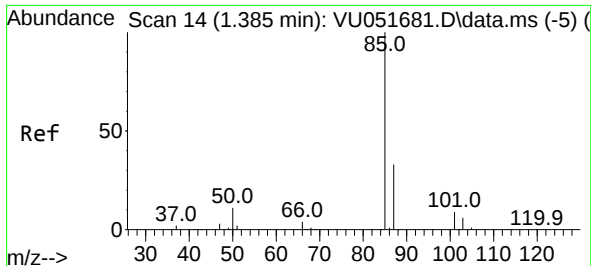
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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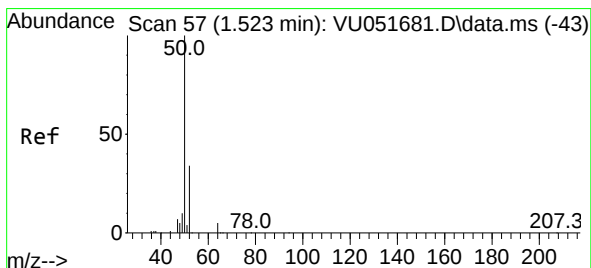
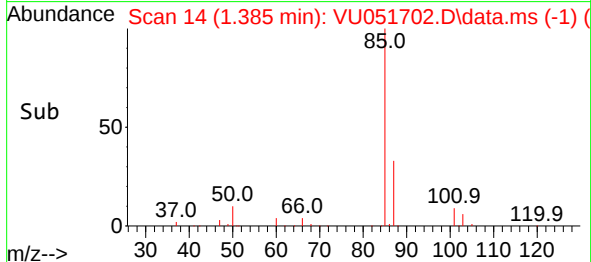
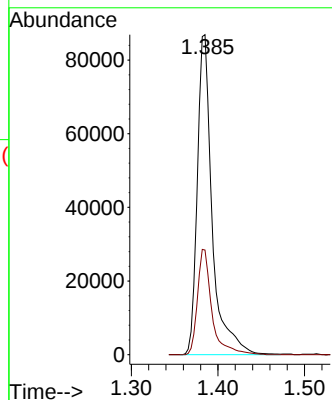
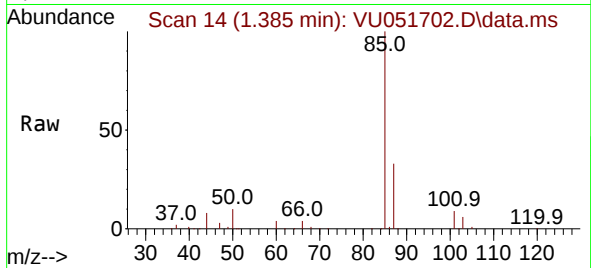




#2
Dichlorodifluoromethane
Concen: 4.913 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

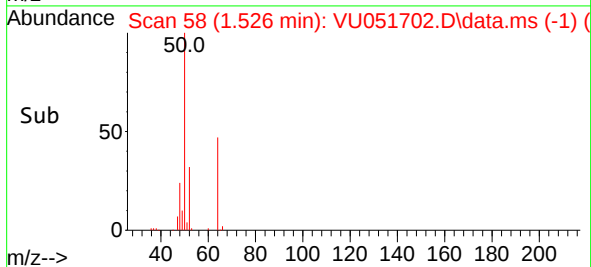
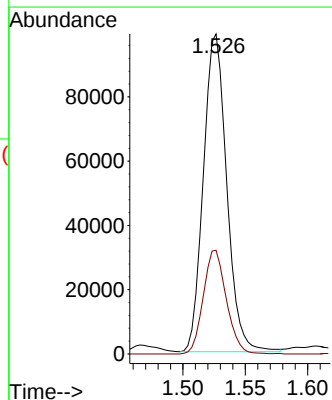
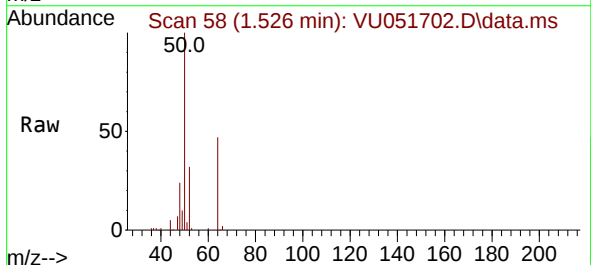
Instrument :
MSVOA_U
ClientSampleId :
DBWU9MSD

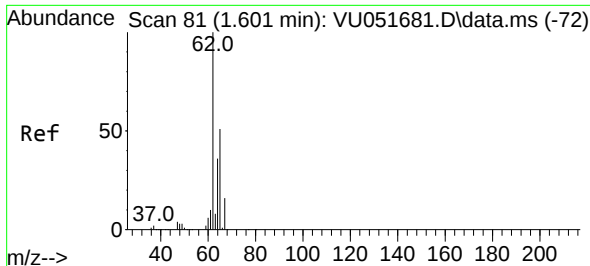
Tgt Ion: 85 Resp: 103834
Ion Ratio Lower Upper
85 100
87 31.9 25.7 38.5



#3
Chloromethane
Concen: 4.839 ug/L
RT: 1.526 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Tgt Ion: 50 Resp: 128924
Ion Ratio Lower Upper
50 100
52 32.4 23.2 43.2

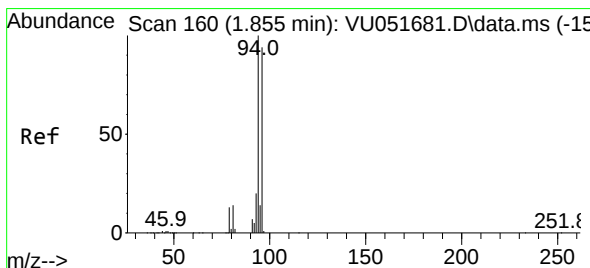
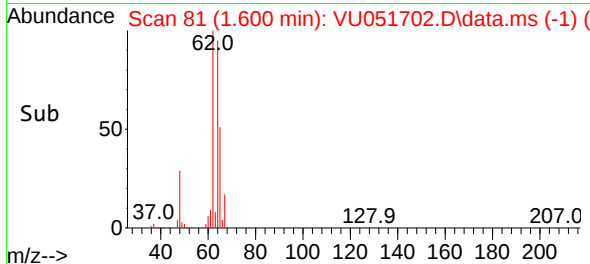
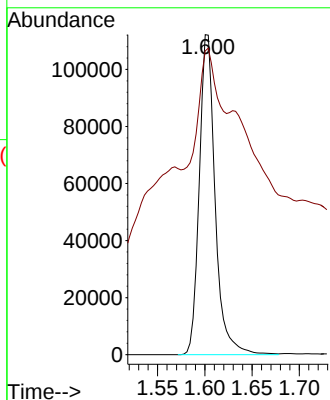
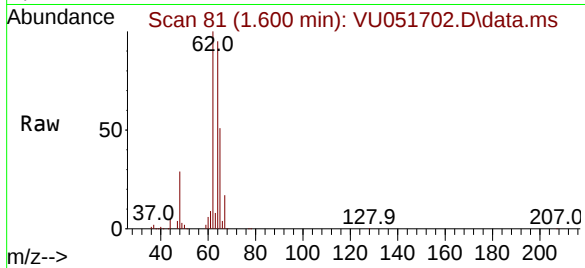




#5
 Vinyl chloride
 Concen: 5.139 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051702.D
 Acq: 02 Nov 2022 19:51

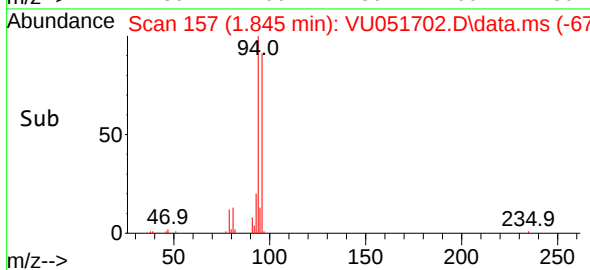
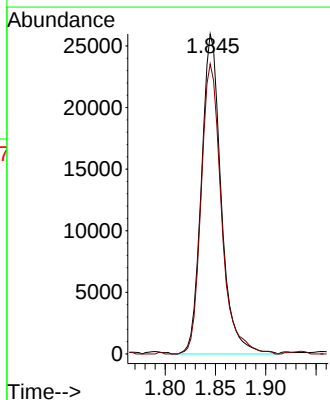
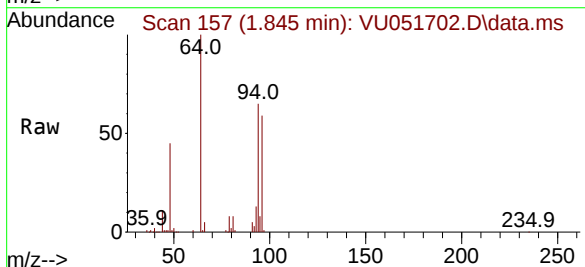
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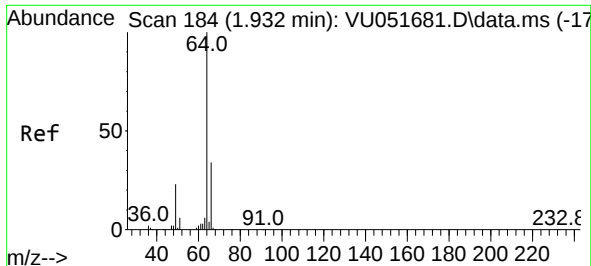
Tgt Ion: 62 Resp: 131168
 Ion Ratio Lower Upper
 62 100
 64 95.0 22.1 41.1#



#6
 Bromomethane
 Concen: 2.933 ug/L
 RT: 1.845 min Scan# 157
 Delta R.T. -0.010 min
 Lab File: VU051702.D
 Acq: 02 Nov 2022 19:51

Tgt Ion: 94 Resp: 35492
 Ion Ratio Lower Upper
 94 100
 96 90.7 63.2 117.4

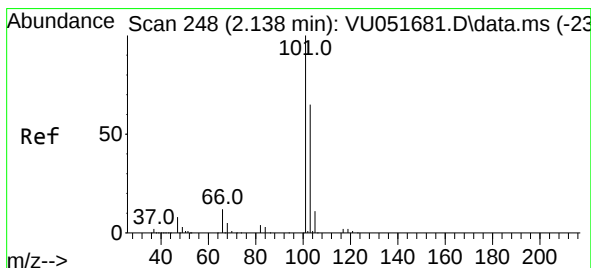
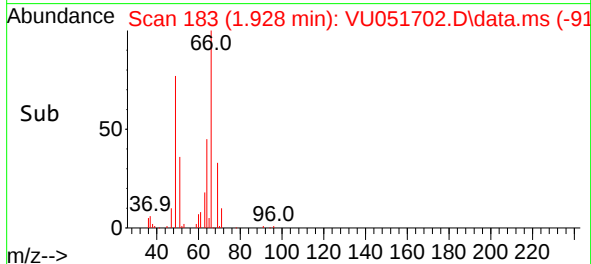
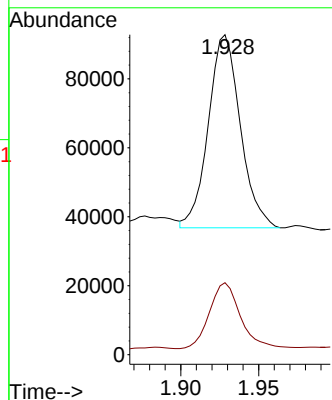
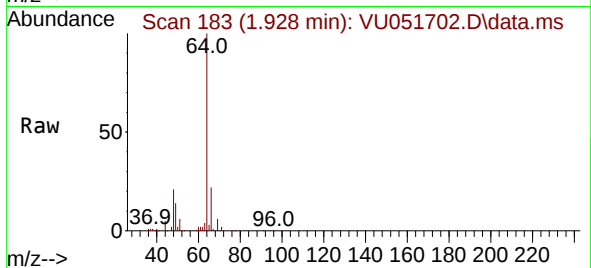




#8
Chloroethane
Concen: 5.162 ug/L
RT: 1.928 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051702.D
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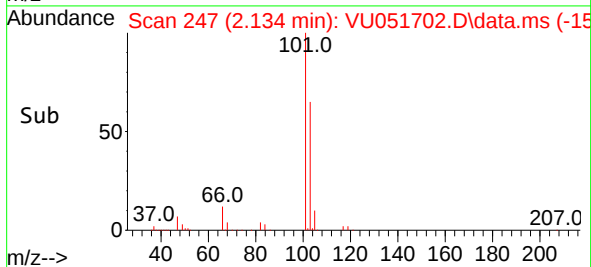
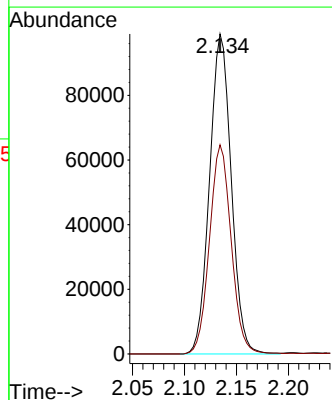
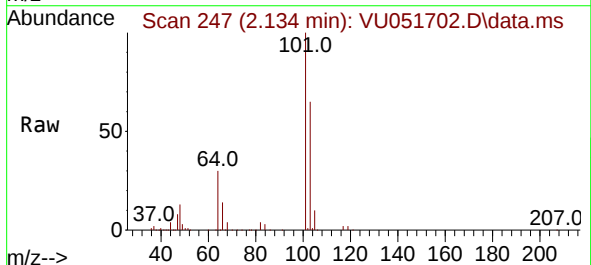
Instrument :
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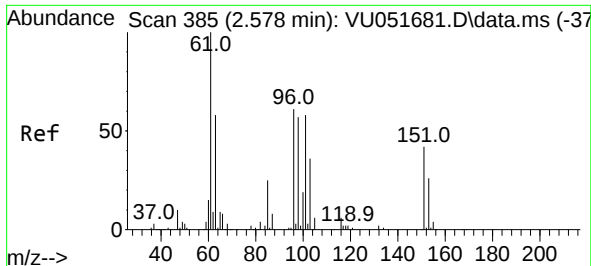
Tgt Ion: 64 Resp: 80003
Ion Ratio Lower Upper
64 100
66 22.5 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.129 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Tgt Ion: 101 Resp: 143702
Ion Ratio Lower Upper
101 100
103 65.3 51.8 77.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.874 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

Instrument :

MSVOA_U

ClientSampleId :

DBWU9MSD

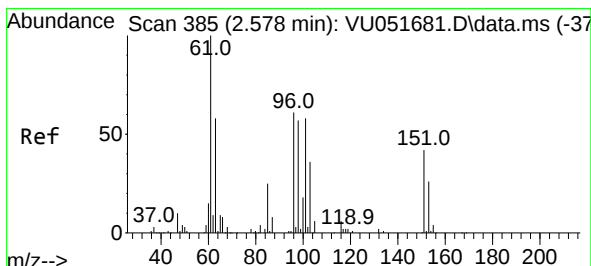
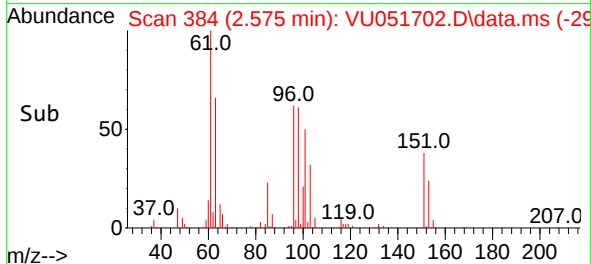
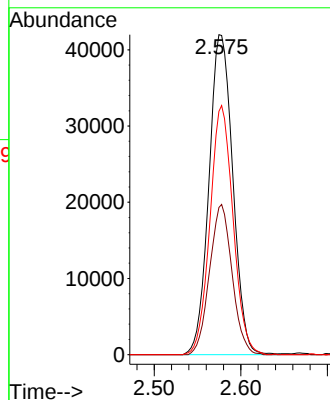
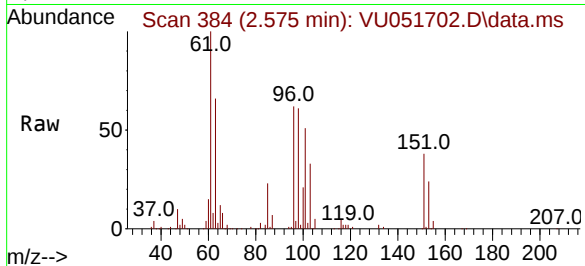
Tgt Ion:101 Resp: 80284

Ion Ratio Lower Upper

101 100

85 44.3 35.6 53.4

151 75.5 59.6 89.4



#12

1,1-Dichloroethene

Concen: 4.972 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU051702.D

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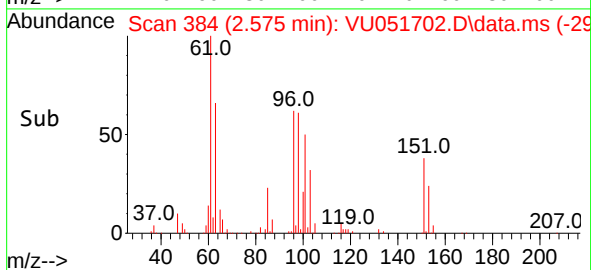
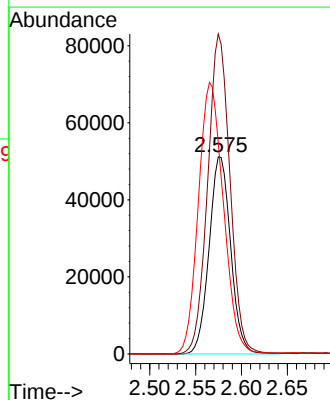
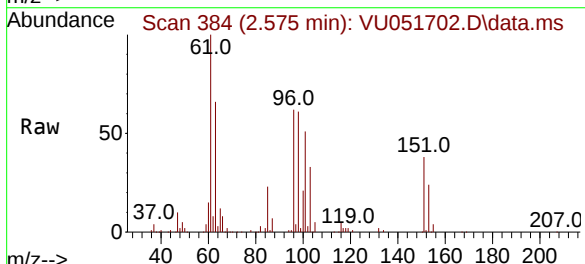
Tgt Ion: 96 Resp: 83539

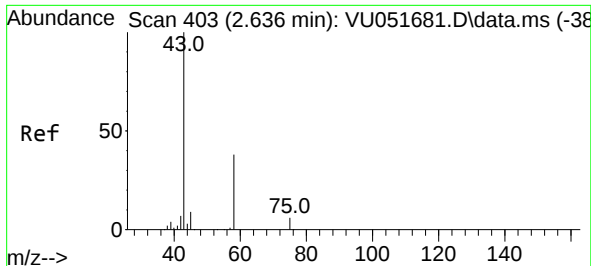
Ion Ratio Lower Upper

96 100

61 162.3 108.8 202.0

63 107.0 64.9 120.5

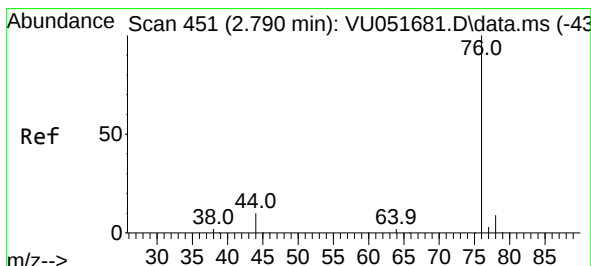
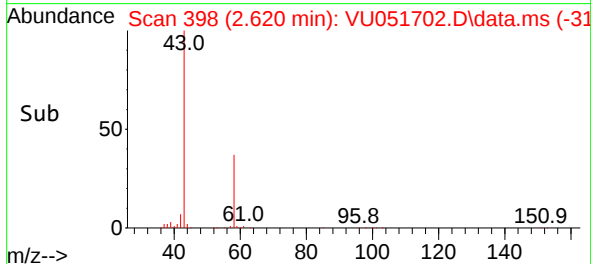
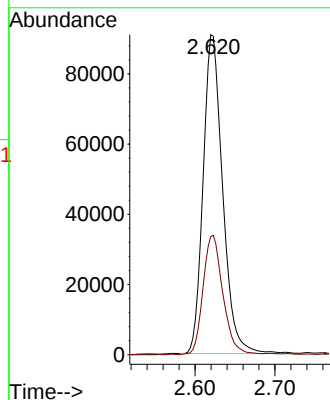
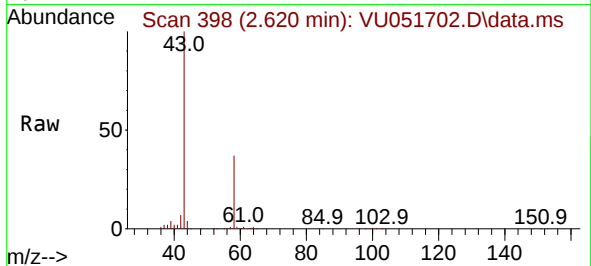




#13
Acetone
Concen: 57.690 ug/L
RT: 2.620 min Scan# 398
Delta R.T. -0.016 min
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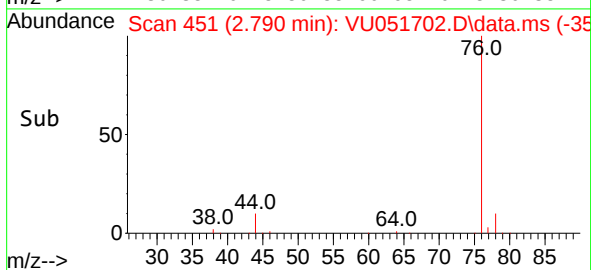
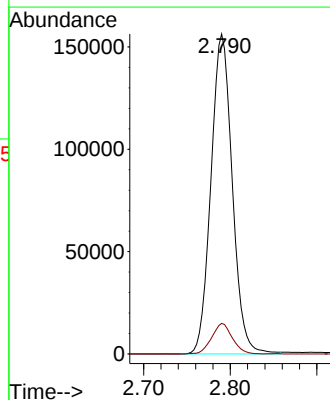
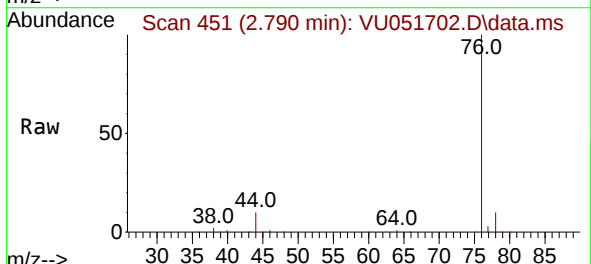
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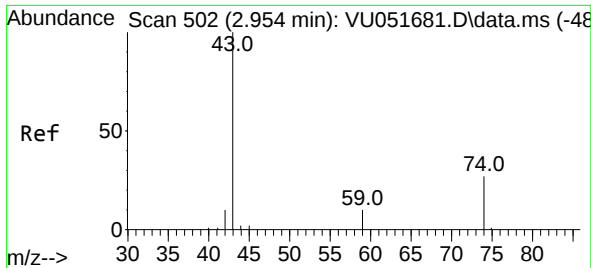
Tgt Ion: 43 Resp: 154298
Ion Ratio Lower Upper
43 100
58 38.0 0.0 73.8



#14
Carbon disulfide
Concen: 4.931 ug/L
RT: 2.790 min Scan# 451
Delta R.T. -0.000 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Tgt Ion: 76 Resp: 267074
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2

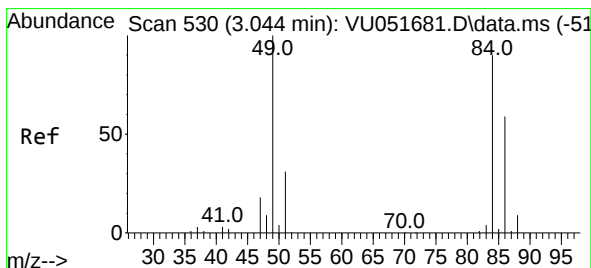
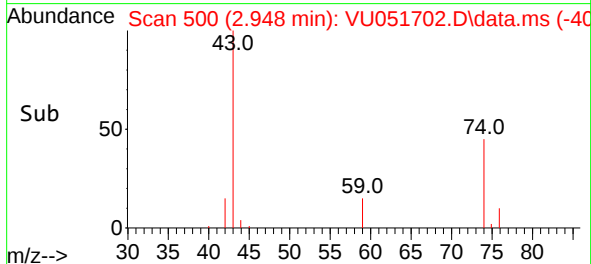
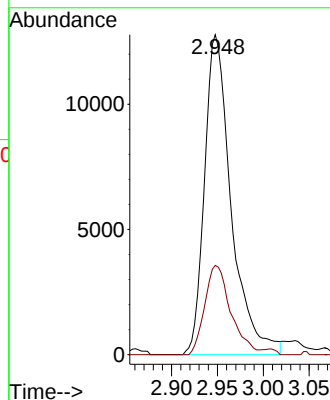
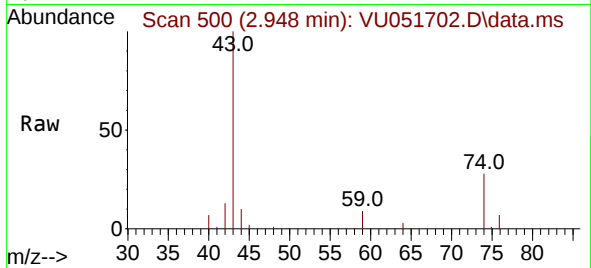




#15
Methyl Acetate
Concen: 3.703 ug/L
RT: 2.948 min Scan# 502
Delta R.T. -0.007 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

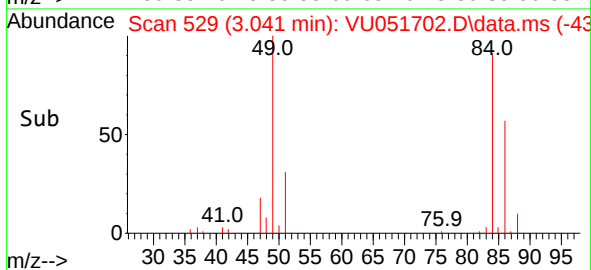
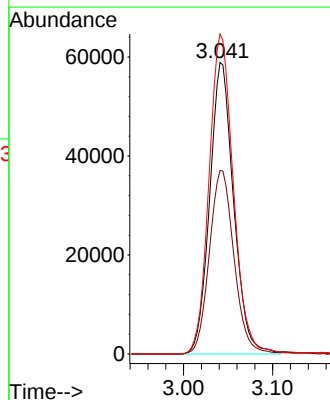
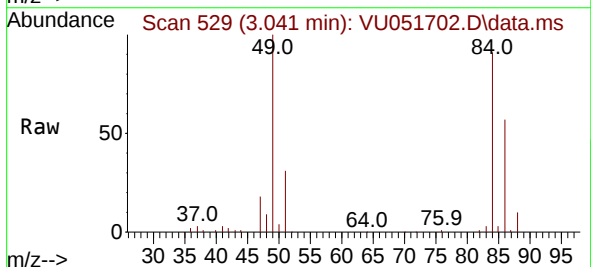
Instrument :
MSVOA_U
ClientSampleId :
DBWU9MSD

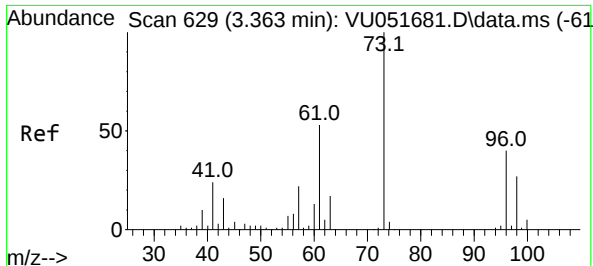
Tgt Ion: 43 Resp: 25928
Ion Ratio Lower Upper
43 100
74 27.2 20.2 30.4



#16
Methylene chloride
Concen: 3.992 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Tgt Ion: 84 Resp: 109867
Ion Ratio Lower Upper
84 100
86 62.9 46.3 85.9
49 109.8 76.0 141.2





#17

Methyl tert-butyl Ether

Concen: 5.629 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

Instrument :

MSVOA_U

ClientSampleId :

DBWU9MSD

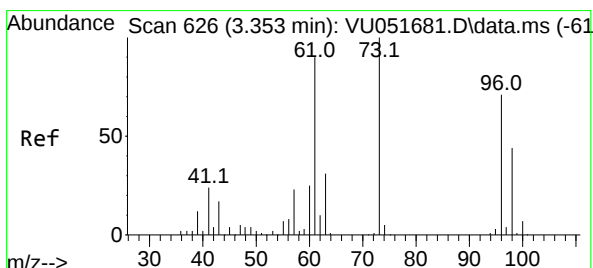
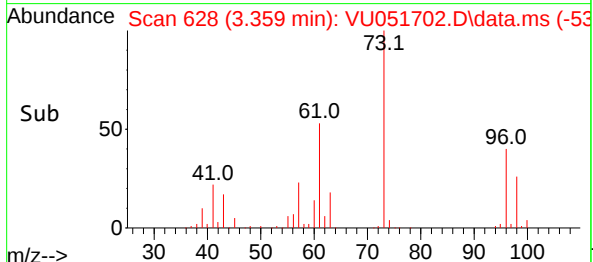
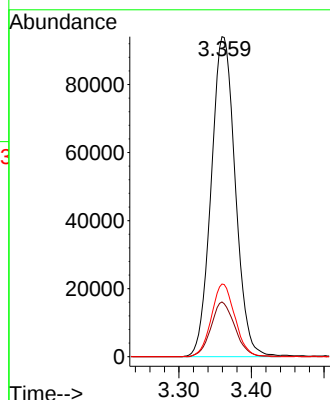
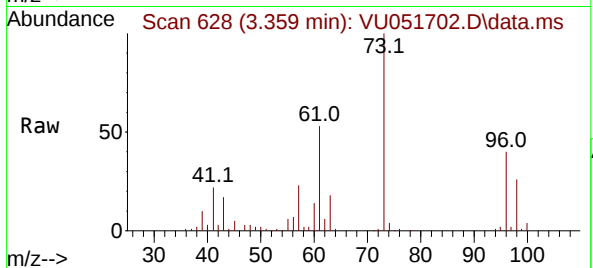
Tgt Ion: 73 Resp: 216876

Ion Ratio Lower Upper

73 100

43 16.9 13.6 20.4

57 22.2 17.5 26.3



#18

trans-1,2-Dichloroethene

Concen: 5.278 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.003 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

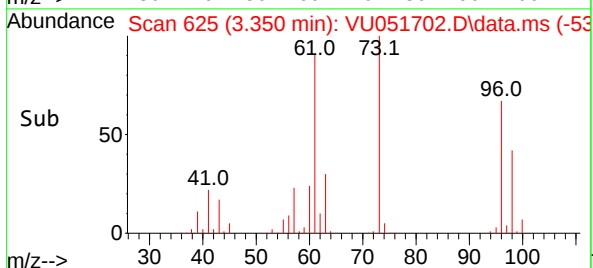
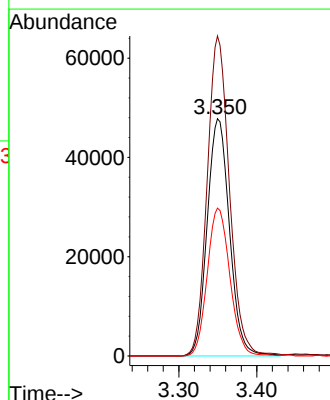
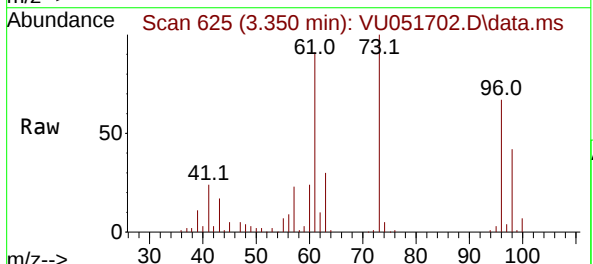
Tgt Ion: 96 Resp: 95163

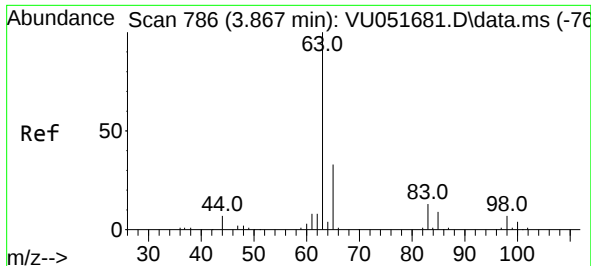
Ion Ratio Lower Upper

96 100

61 134.9 94.7 175.9

98 62.3 44.2 82.0

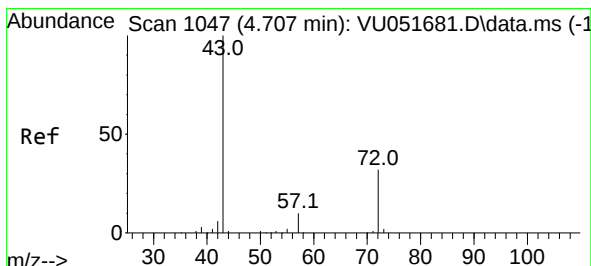
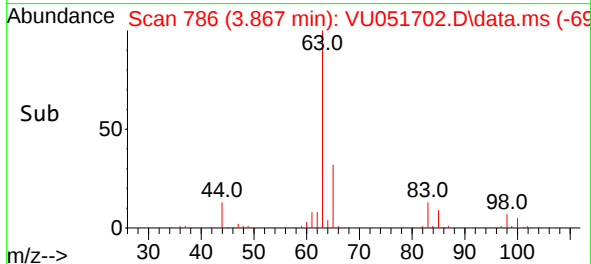
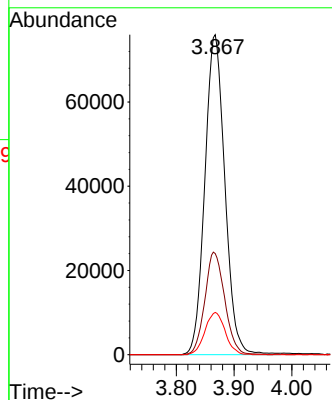
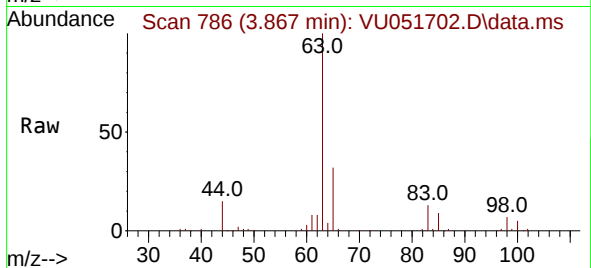




#19
1,1-Dichloroethane
Concen: 5.500 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

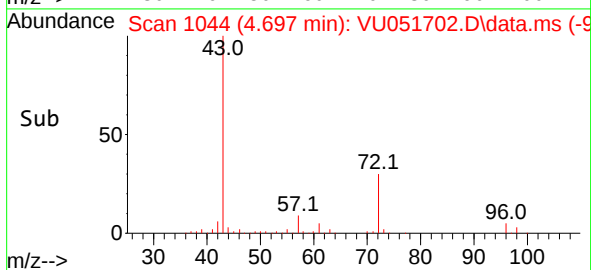
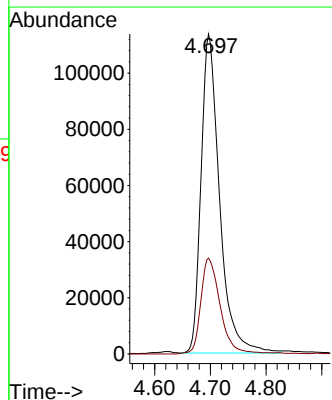
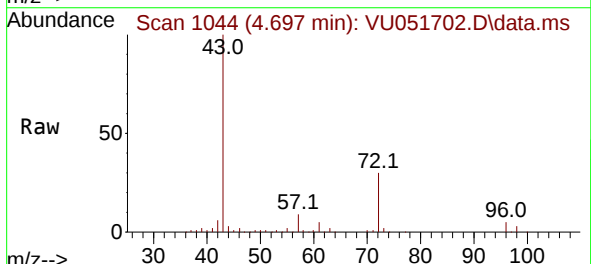
Instrument :
MSVOA_U
ClientSampleId :
DBWU9MSD

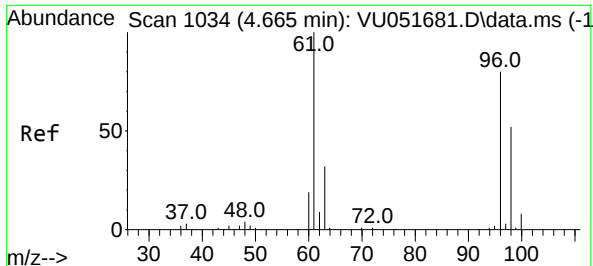
Tgt Ion: 63 Resp: 182907
Ion Ratio Lower Upper
63 100
65 31.6 22.7 42.1
83 13.2 9.2 17.0



#21
2-Butanone
Concen: 62.649 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. -0.010 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Tgt Ion: 43 Resp: 262404
Ion Ratio Lower Upper
43 100
72 31.3 16.2 48.5



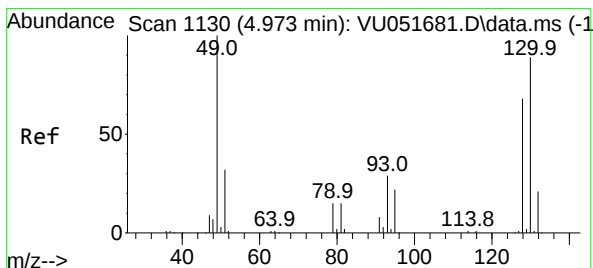
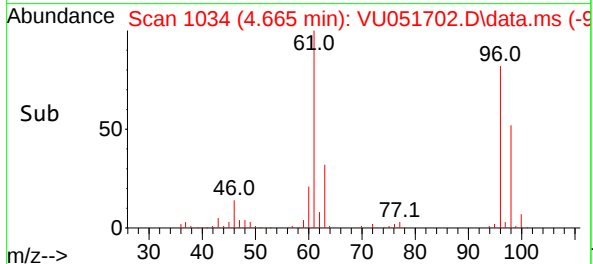
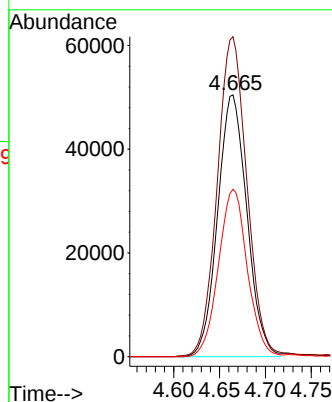
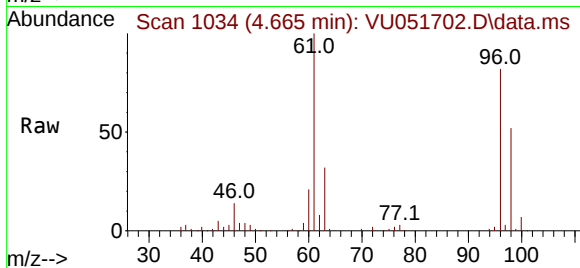


#22
 cis-1,2-Dichloroethene
 Concen: 5.609 ug/L
 RT: 4.665 min Scan# 1118
 Delta R.T. -0.000 min
 Lab File: VU051702.D
 Acq: 02 Nov 2022 19:51

Instrument :
 MSVOA_U
 ClientSampleId :
 DBWU9MSD

Tgt Ion: 96 Resp: 111899

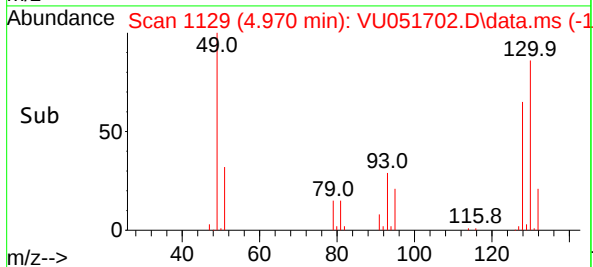
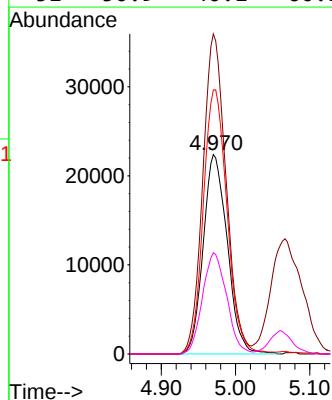
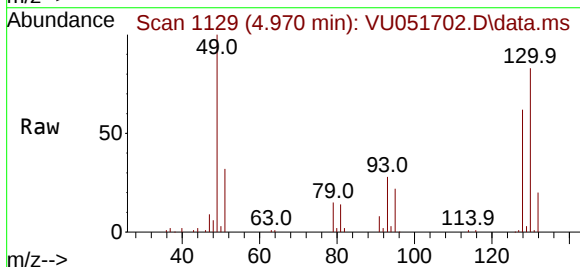
Ion	Ratio	Lower	Upper
96	100		
61	122.2	86.4	160.4
98	63.9	44.2	82.2

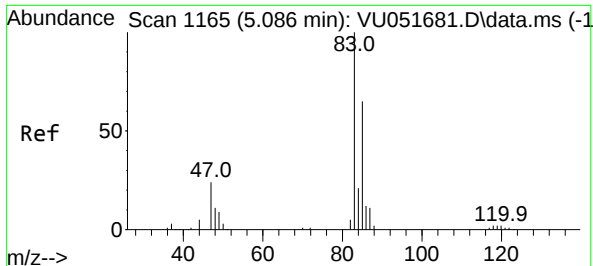


#23
 Bromochloromethane
 Concen: 5.386 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.003 min
 Lab File: VU051702.D
 Acq: 02 Nov 2022 19:51

Tgt Ion: 128 Resp: 50246

Ion	Ratio	Lower	Upper
128	100		
49	160.5	105.5	195.9
130	132.5	93.5	173.7
51	50.9	40.1	60.1





#25

Chloroform

Concen: 5.383 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

Instrument :

MSVOA_U

ClientSampleId :

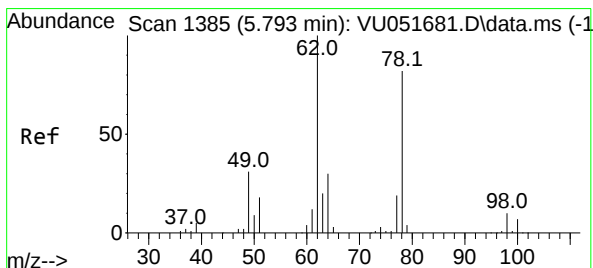
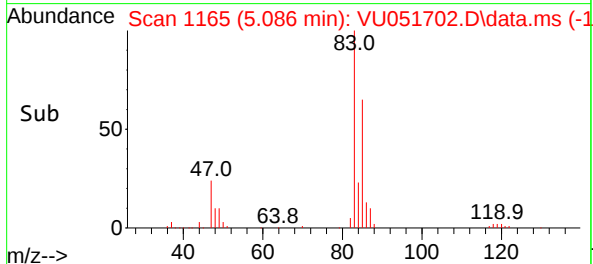
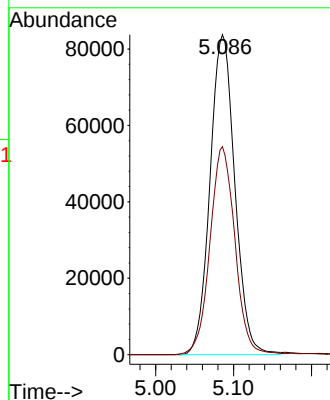
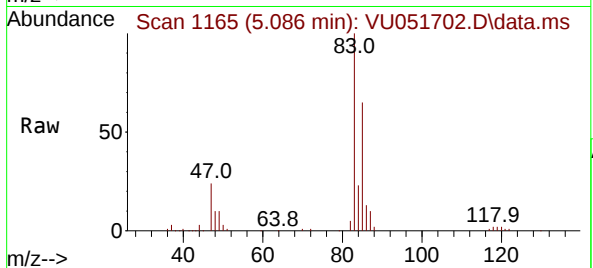
DBWU9MSD

Tgt Ion: 83 Resp: 185714

Ion Ratio Lower Upper

83 100

85 65.0 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.488 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU051702.D

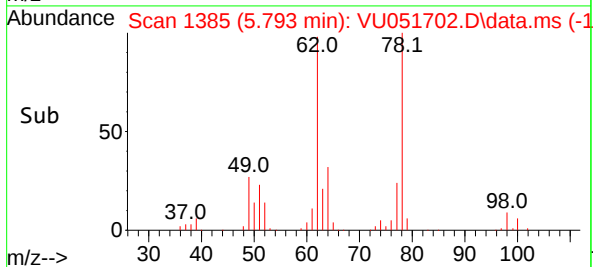
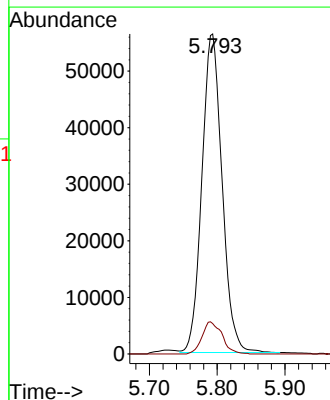
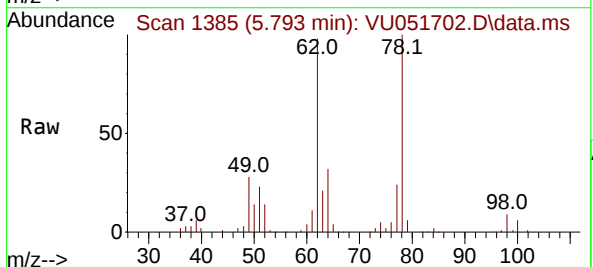
Acq: 02 Nov 2022 19:51

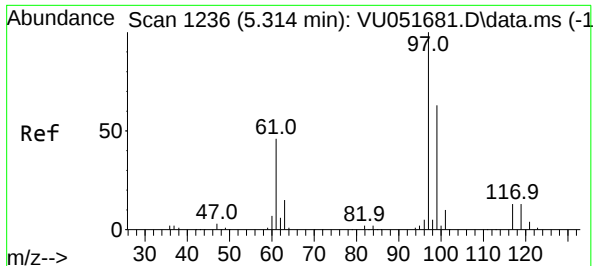
Tgt Ion: 62 Resp: 116518

Ion Ratio Lower Upper

62 100

98 9.5 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 5.237 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

Instrument :

MSVOA_U

ClientSampleId :

DBWU9MSD

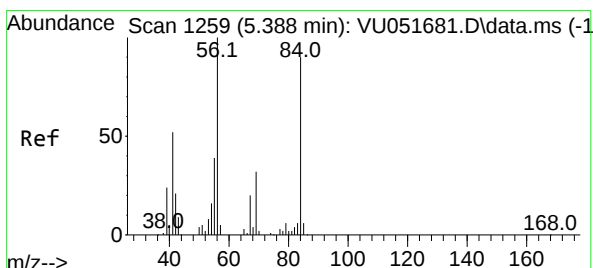
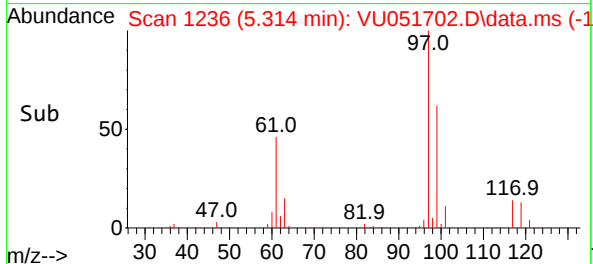
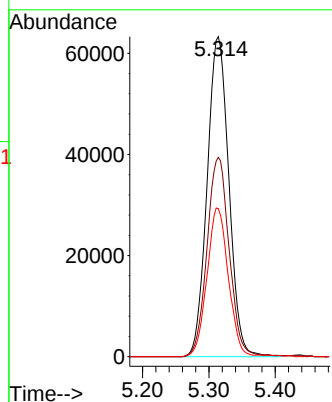
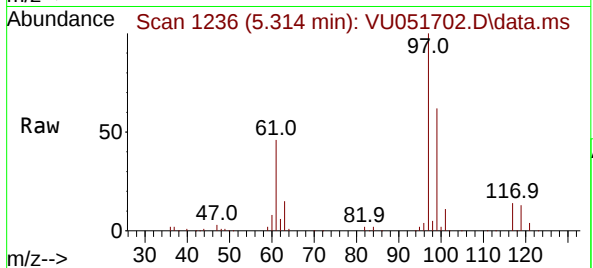
Tgt Ion: 97 Resp: 144386

Ion Ratio Lower Upper

97 100

99 63.2 51.1 76.7

61 45.5 37.4 56.0



#30

Cyclohexane

Concen: 4.746 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

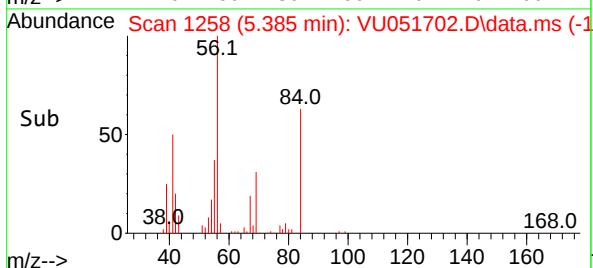
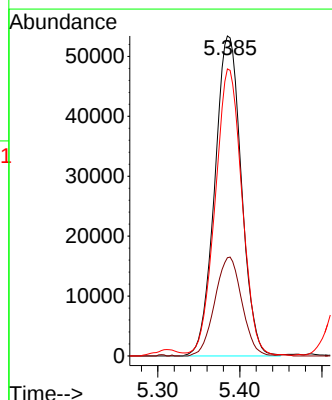
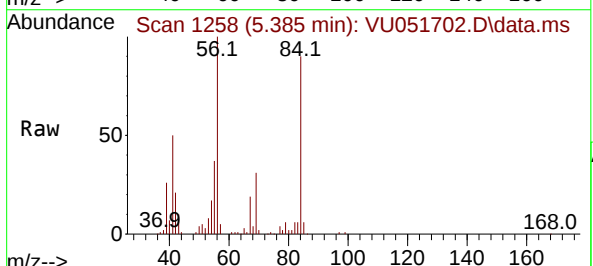
Tgt Ion: 56 Resp: 120487

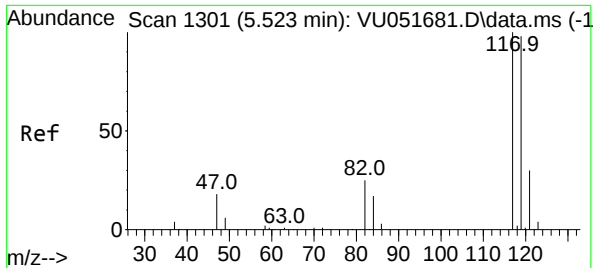
Ion Ratio Lower Upper

56 100

69 31.3 25.4 38.0

84 90.3 71.4 107.0

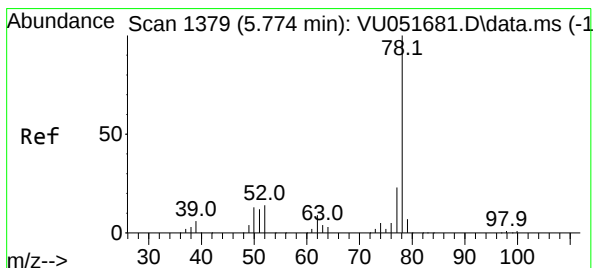
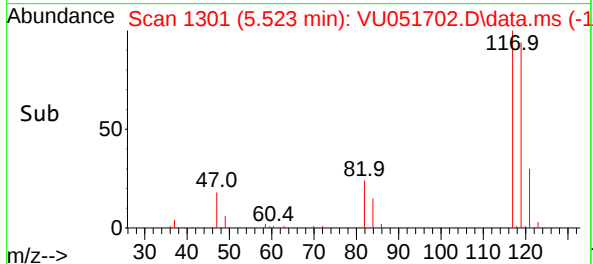
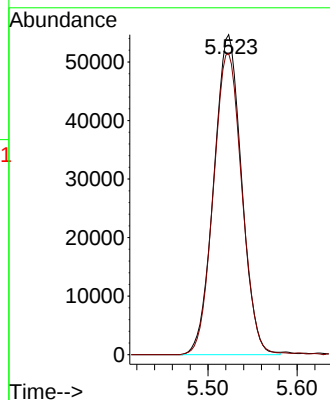
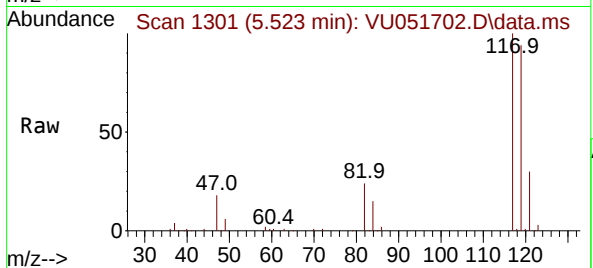




#31
Carbon tetrachloride
Concen: 5.014 ug/L
RT: 5.523 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

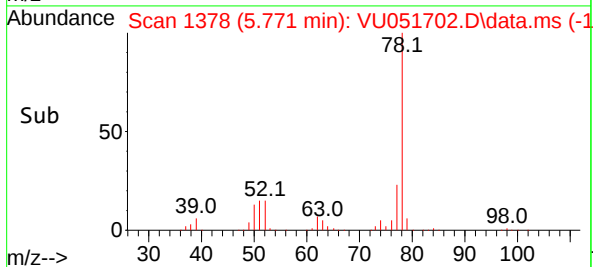
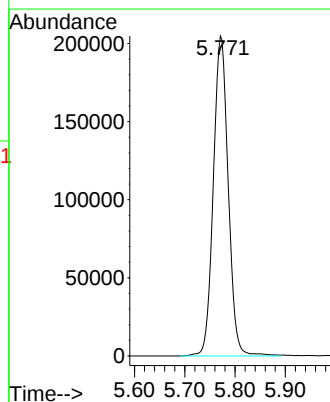
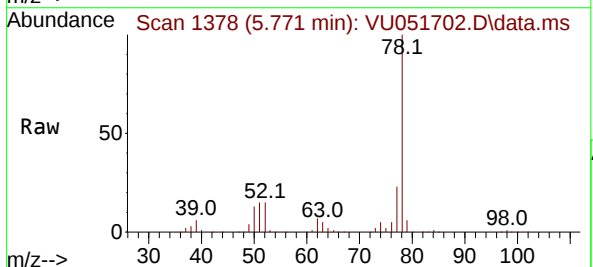
Instrument :
MSVOA_U
ClientSampleId :
DBWU9MSD

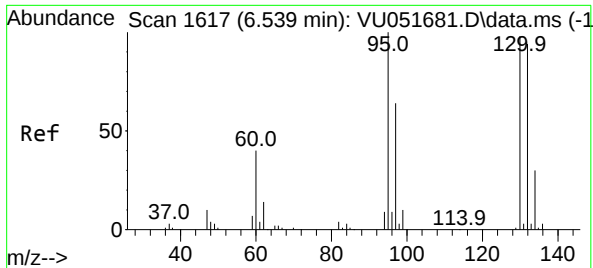
Tgt Ion:117 Resp: 118224
Ion Ratio Lower Upper
117 100
119 96.6 77.5 116.3



#33
Benzene
Concen: 5.258 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Tgt Ion: 78 Resp: 421334



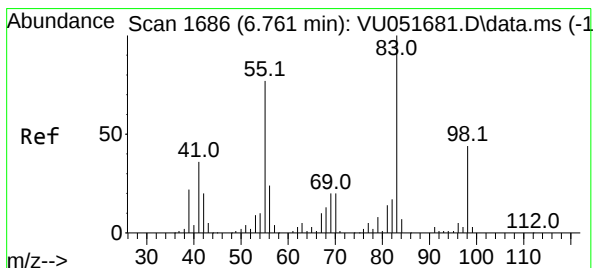
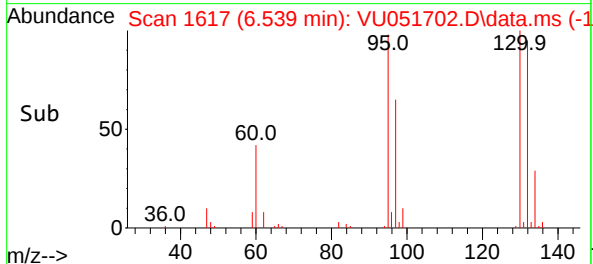
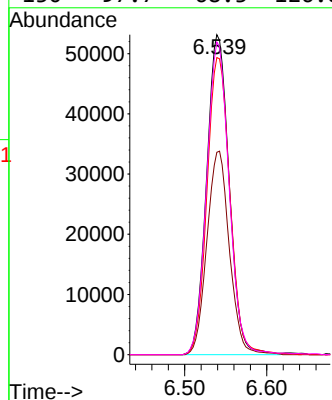
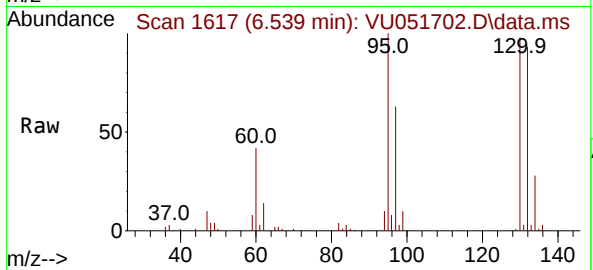


#34
Trichloroethene
Concen: 5.255 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Instrument :
MSVOA_U
ClientSampleId :
DBWU9MSD

Tgt Ion: 95 Resp: 101618

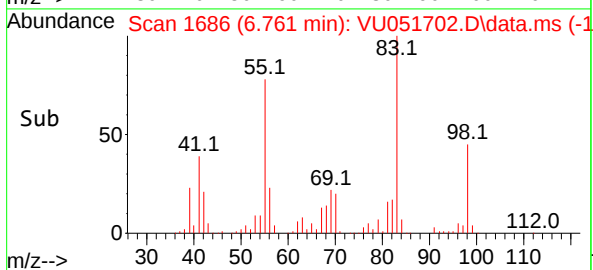
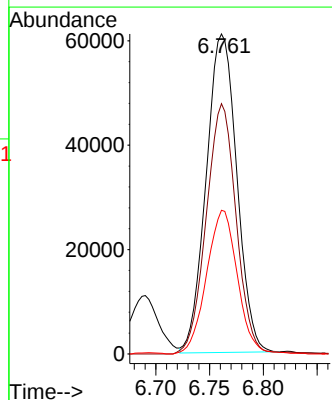
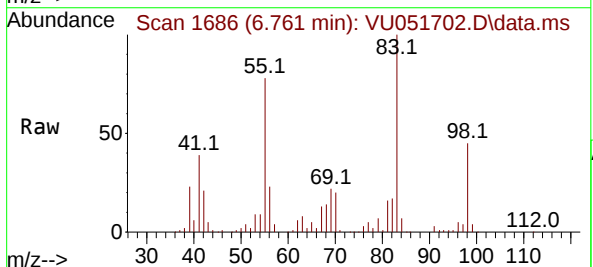
Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.2	84.0
132	92.8	66.5	123.5
130	97.7	68.3	126.8

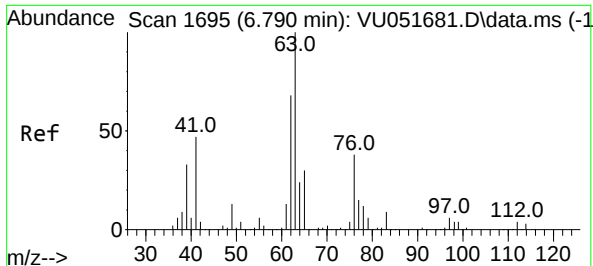


#35
Methylcyclohexane
Concen: 4.519 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Tgt Ion: 83 Resp: 120837

Ion	Ratio	Lower	Upper
83	100		
55	76.7	60.6	90.8
98	45.5	35.8	53.6





#37

1,2-Dichloropropane

Concen: 5.355 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

Instrument :

MSVOA_U

ClientSampleId :

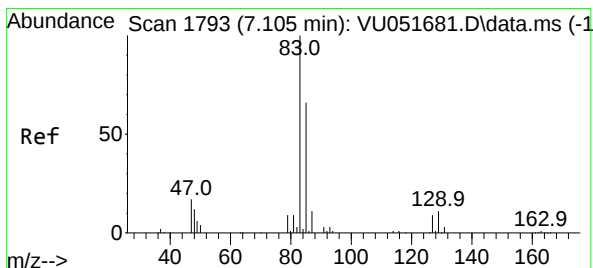
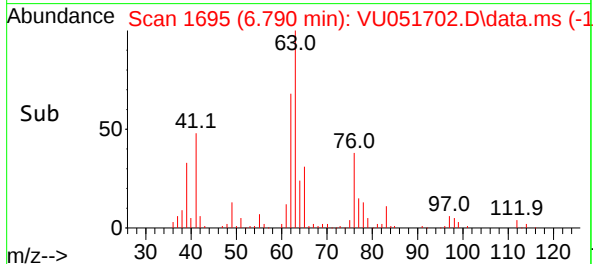
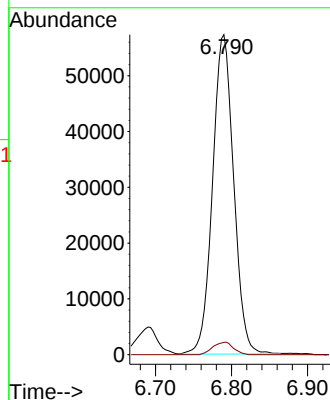
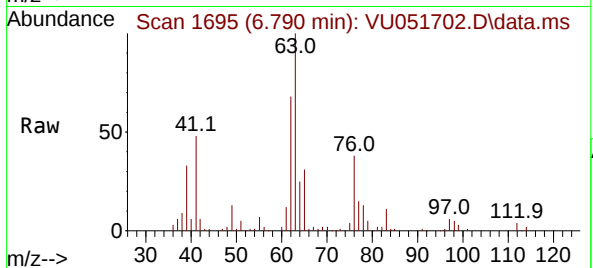
DBWU9MSD

Tgt Ion: 63 Resp: 110366

Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



#38

Bromodichloromethane

Concen: 5.426 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

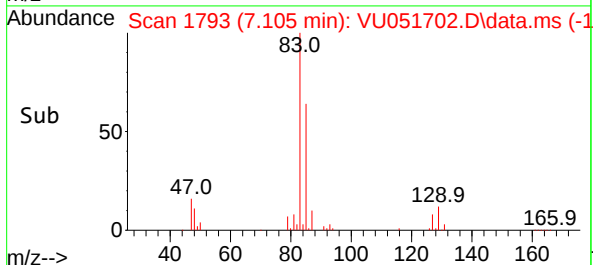
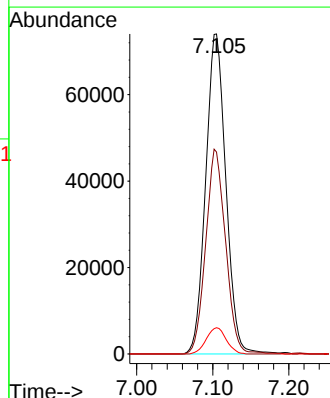
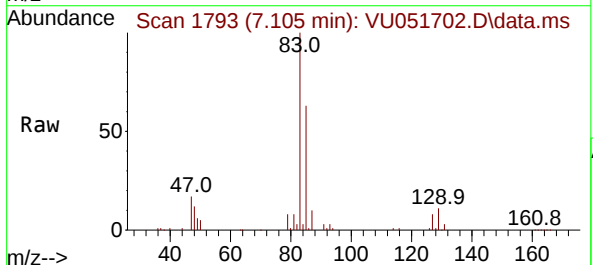
Tgt Ion: 83 Resp: 136605

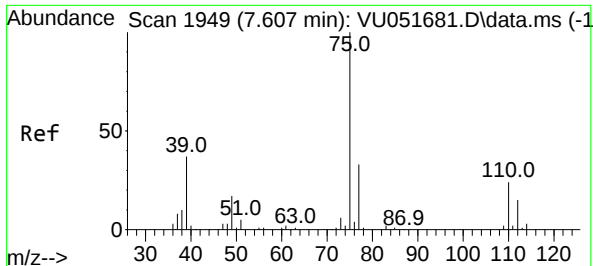
Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.7

127 8.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.622 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

Instrument :

MSVOA_U

ClientSampleId :

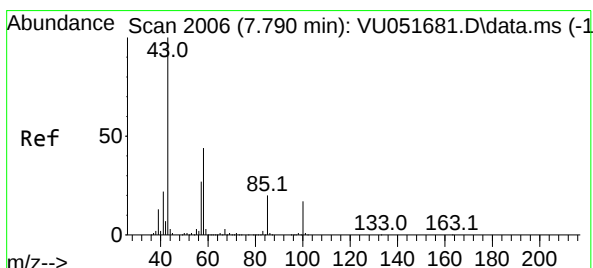
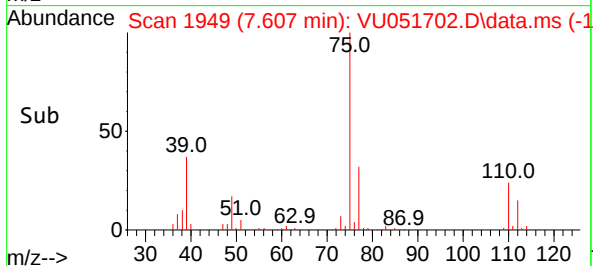
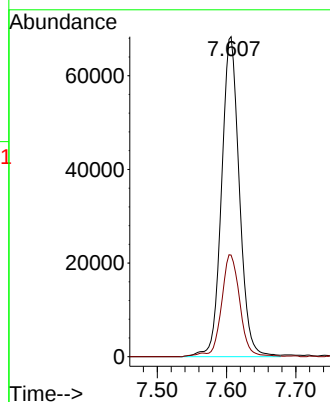
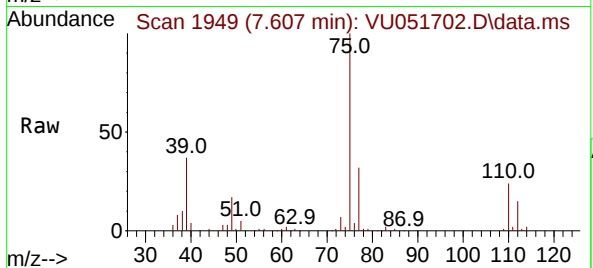
DBWU9MSD

Tgt Ion: 75 Resp: 122225

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 60.928 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

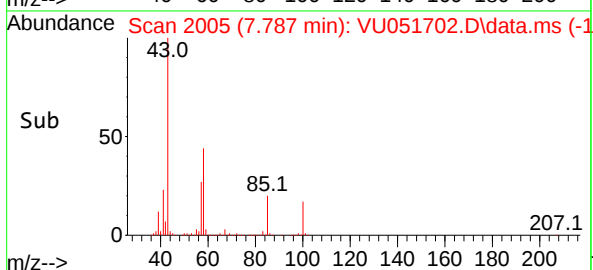
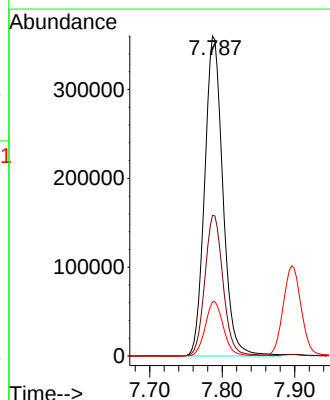
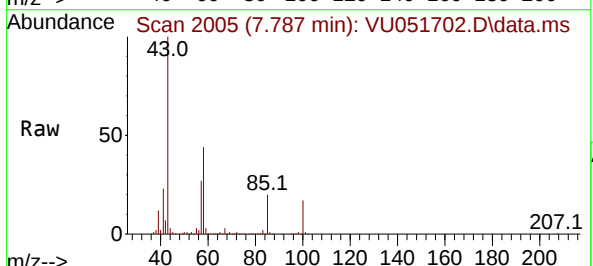
Tgt Ion: 43 Resp: 629871

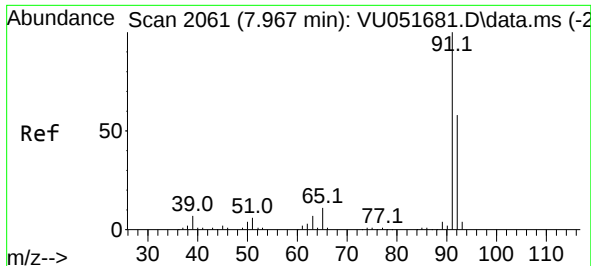
Ion Ratio Lower Upper

43 100

58 44.0 35.0 52.6

100 17.0 13.4 20.0





#42

Toluene

Concen: 5.348 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

Instrument :

MSVOA_U

ClientSampleId :

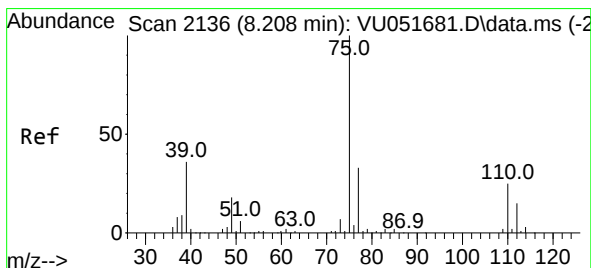
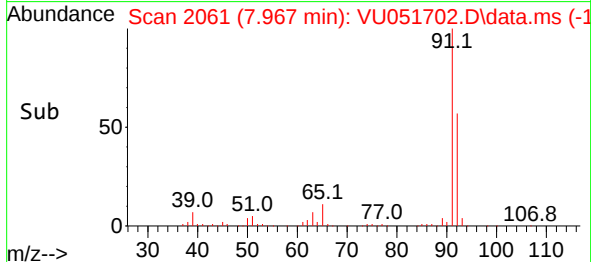
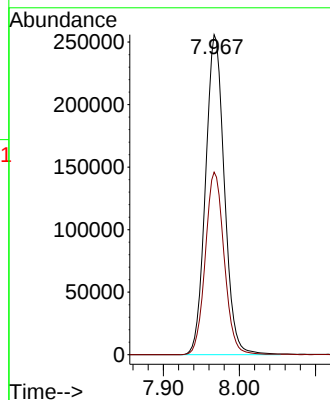
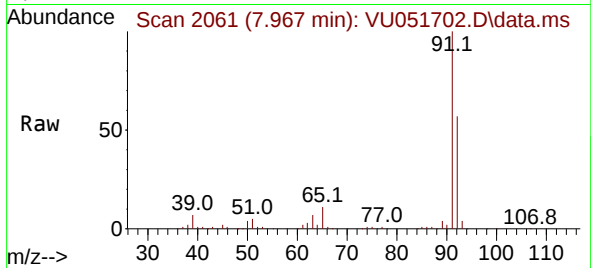
DBWU9MSD

Tgt Ion: 91 Resp: 440113

Ion Ratio Lower Upper

91 100

92 57.1 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.937 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051702.D

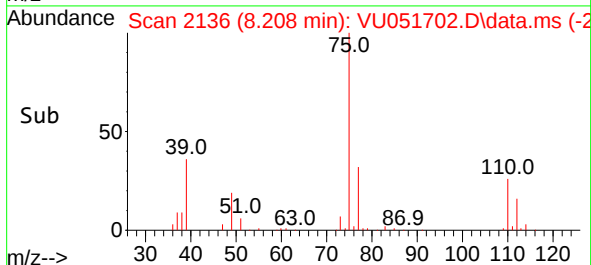
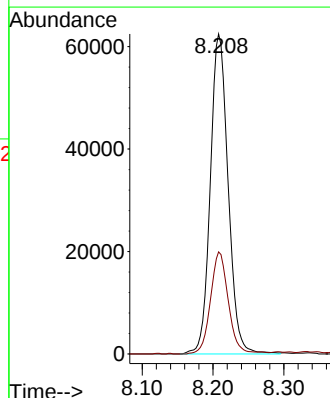
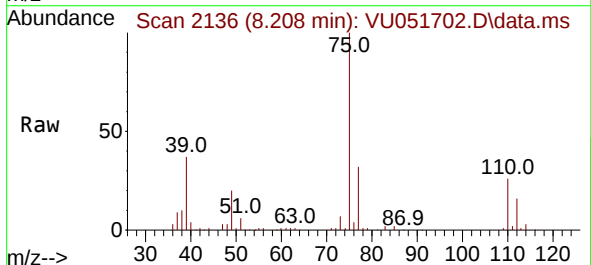
Acq: 02 Nov 2022 19:51

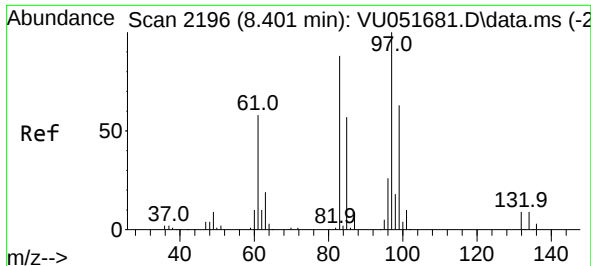
Tgt Ion: 75 Resp: 109096

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 5.640 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. -0.003 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

Instrument :

MSVOA_U

ClientSampleId :

DBWU9MSD

Tgt Ion: 97 Resp: 85188

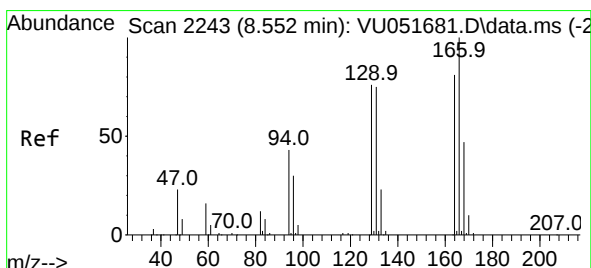
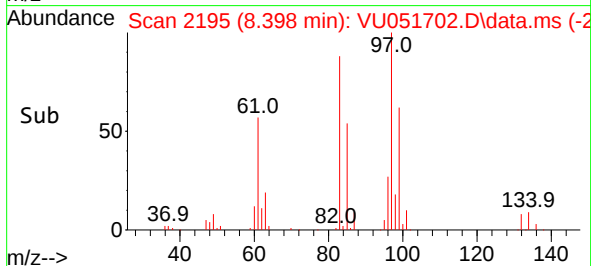
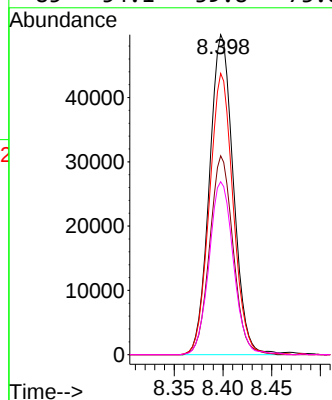
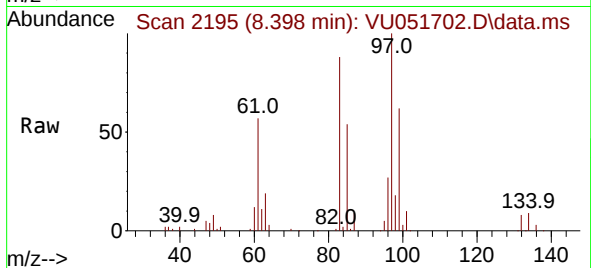
Ion Ratio Lower Upper

97 100

99 62.2 43.4 80.6

83 87.9 61.3 113.9

85 54.1 39.8 73.8



#47

Tetrachloroethene

Concen: 4.999 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

Tgt Ion: 164 Resp: 74033

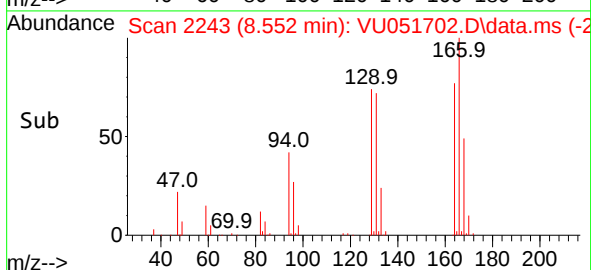
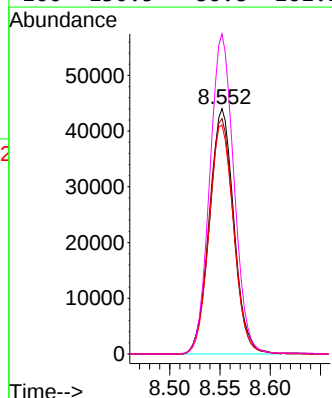
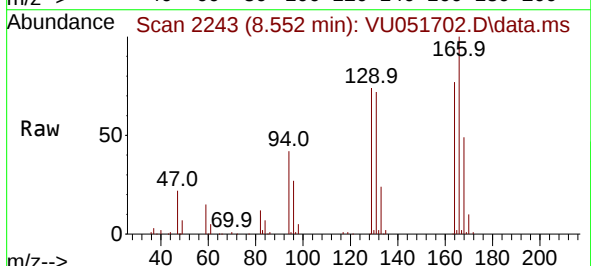
Ion Ratio Lower Upper

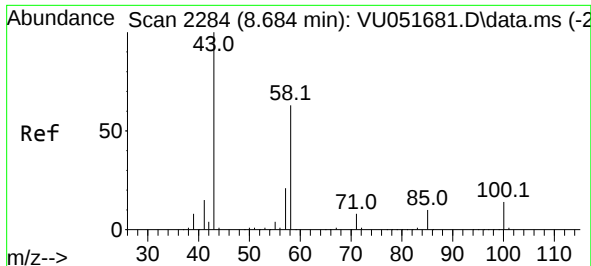
164 100

129 96.0 64.0 118.8

131 93.4 60.7 112.7

166 130.5 86.8 161.2

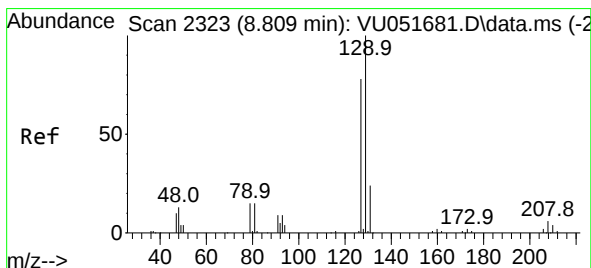
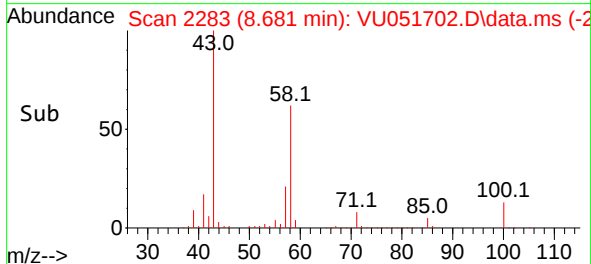
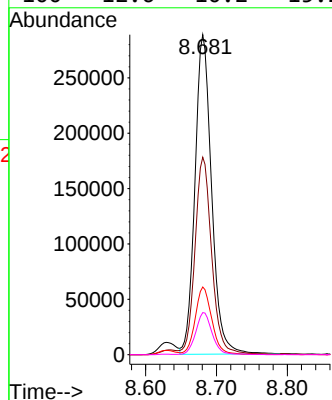
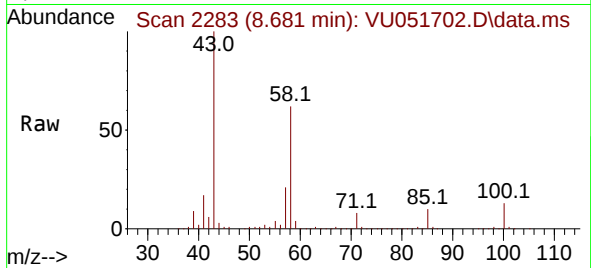




#48
2-Hexanone
Concen: 61.622 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

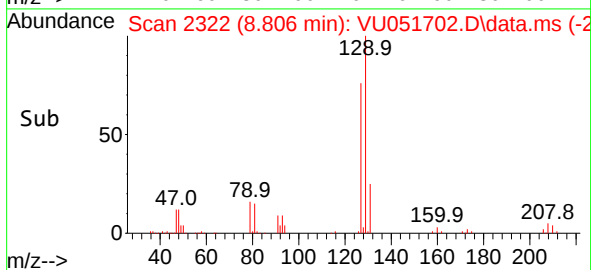
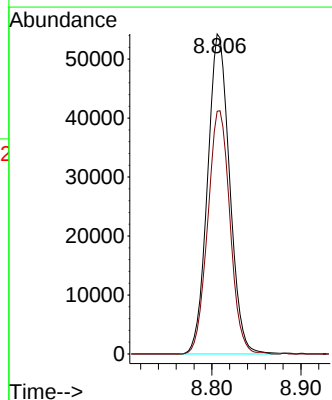
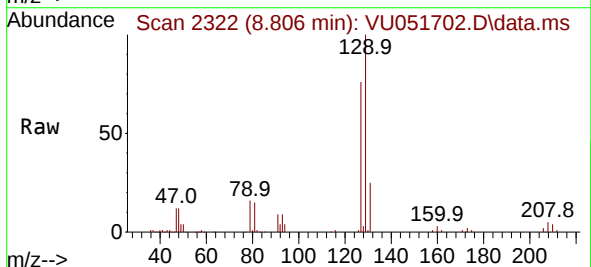
Instrument :
MSVOA_U
ClientSampleId :
DBWU9MSD

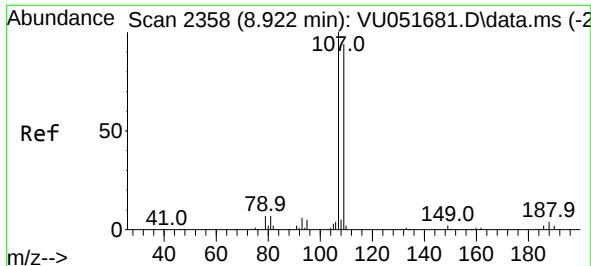
Tgt Ion: 43 Resp: 471539
Ion Ratio Lower Upper
43 100
58 61.7 48.2 72.2
57 20.7 16.6 25.0
100 12.6 10.2 15.2



#49
Dibromochloromethane
Concen: 5.417 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Tgt Ion: 129 Resp: 93465
Ion Ratio Lower Upper
129 100
127 75.9 54.8 101.8

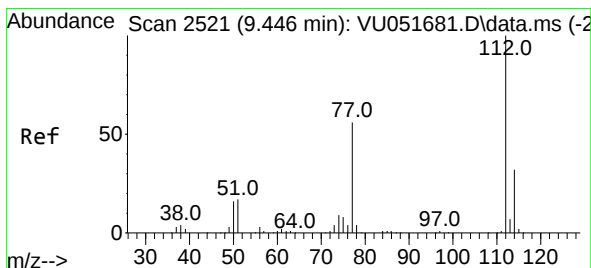
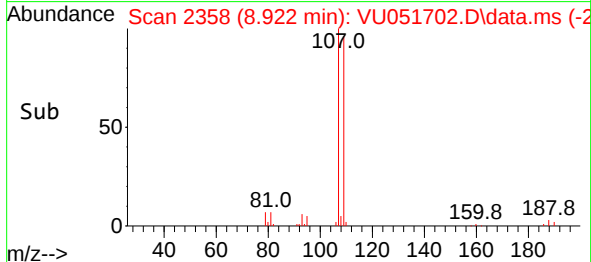
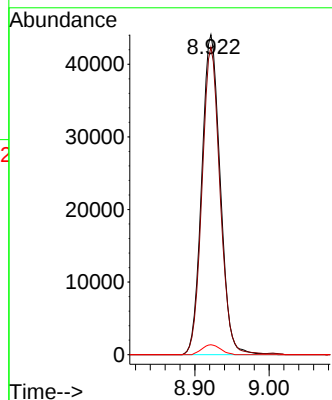
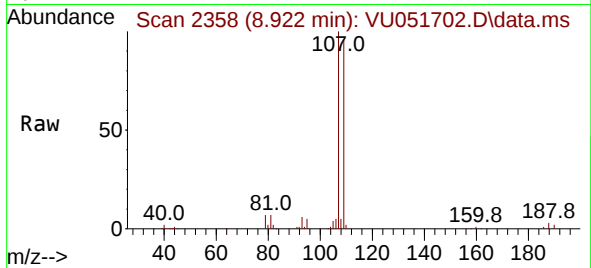




#50
1,2-Dibromoethane
Concen: 5.589 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

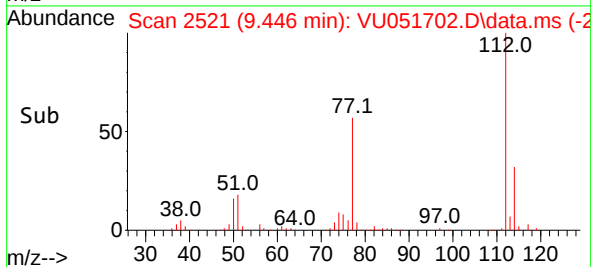
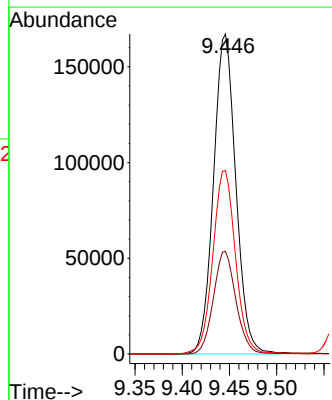
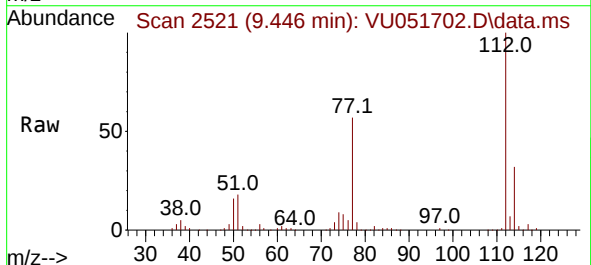
Instrument :
MSVOA_U
ClientSampleId :
DBWU9MSD

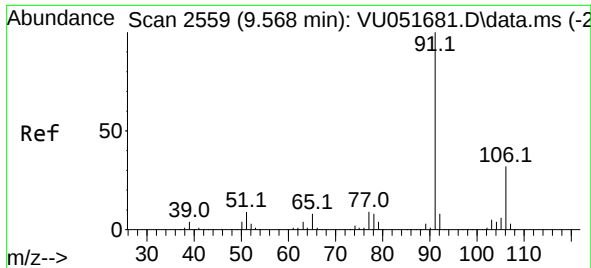
Tgt Ion:107 Resp: 76155
Ion Ratio Lower Upper
107 100
109 96.1 63.0 117.0
188 3.1 3.0 4.4



#51
Chlorobenzene
Concen: 5.304 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Tgt Ion:112 Resp: 274726
Ion Ratio Lower Upper
112 100
114 32.1 22.0 40.8
77 57.3 46.7 70.1

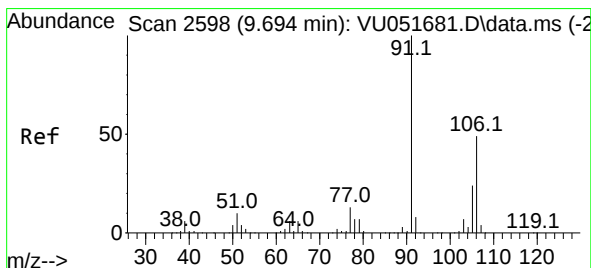
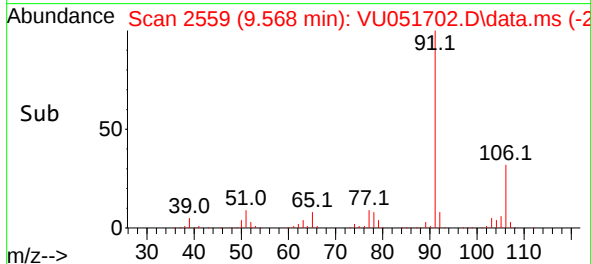
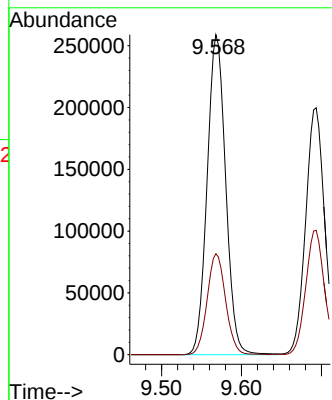
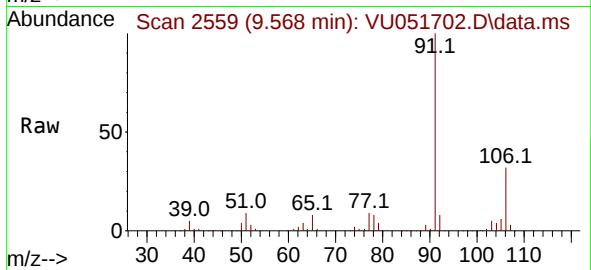




#52
Ethylbenzene
Concen: 5.256 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

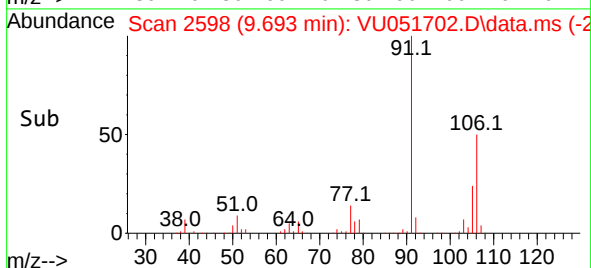
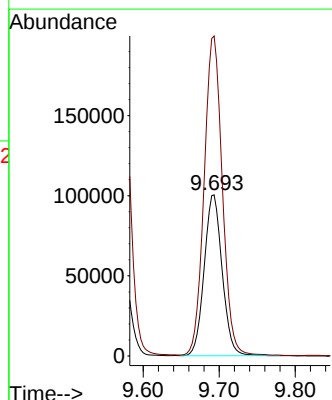
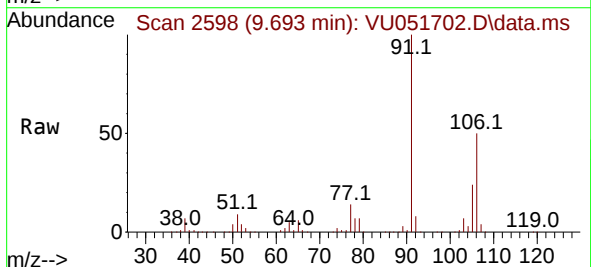
Instrument :
MSVOA_U
ClientSampleId :
DBWU9MSD

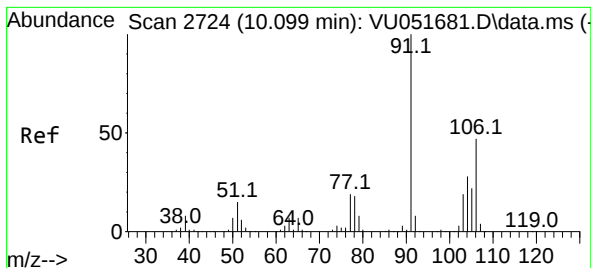
Tgt Ion: 91 Resp: 417352
Ion Ratio Lower Upper
91 100
106 31.6 21.8 40.6



#53
m,p-Xylene
Concen: 5.339 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Tgt Ion: 106 Resp: 164681
Ion Ratio Lower Upper
106 100
91 198.6 139.4 259.0





#54

o-Xylene

Concen: 5.484 ug/L

RT: 10.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

Instrument :

MSVOA_U

ClientSampleId :

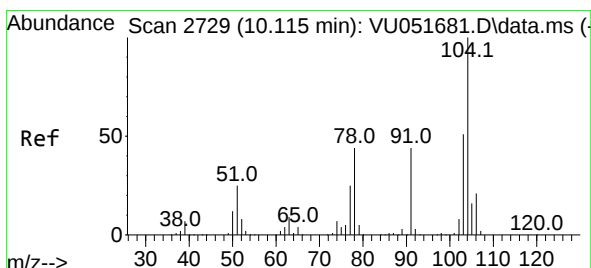
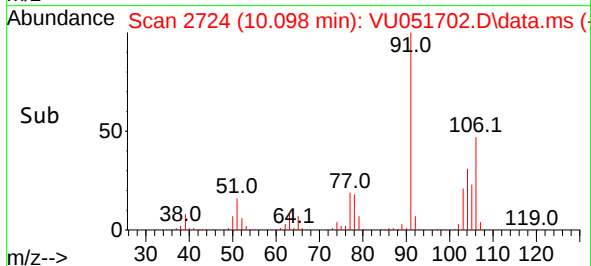
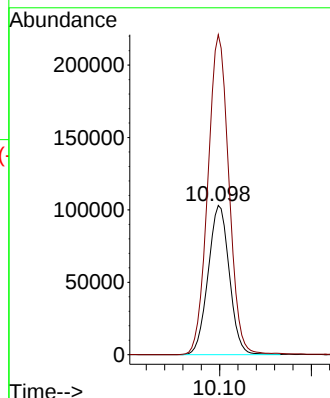
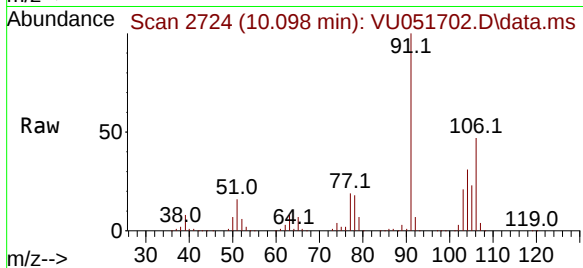
DBWU9MSD

Tgt Ion:106 Resp: 165297

Ion Ratio Lower Upper

106 100

91 214.4 149.2 277.2



#55

Styrene

Concen: 5.528 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.003 min

Lab File: VU051702.D

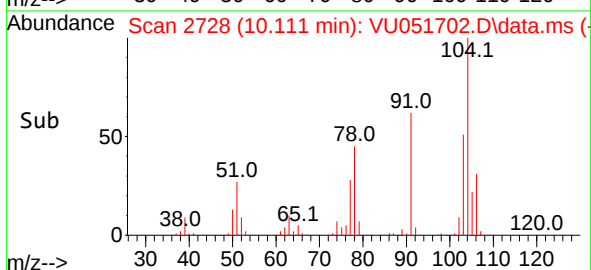
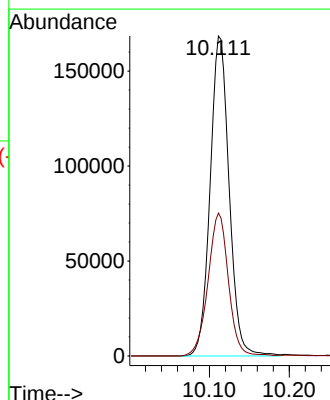
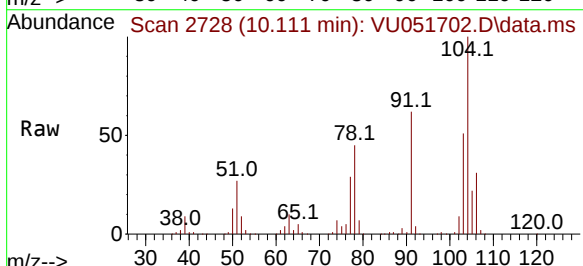
Acq: 02 Nov 2022 19:51

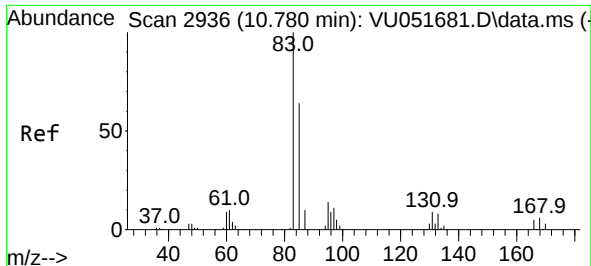
Tgt Ion:104 Resp: 278563

Ion Ratio Lower Upper

104 100

78 44.6 31.8 59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 6.008 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

Instrument :

MSVOA_U

ClientSampleId :

DBWU9MSD

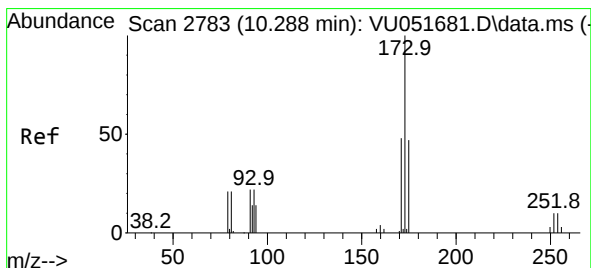
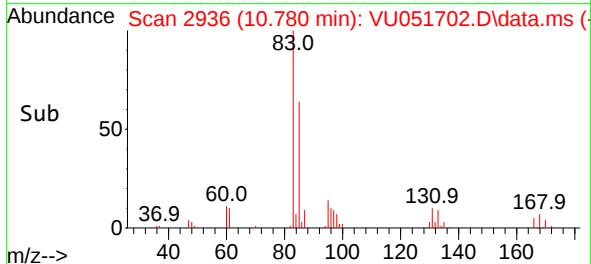
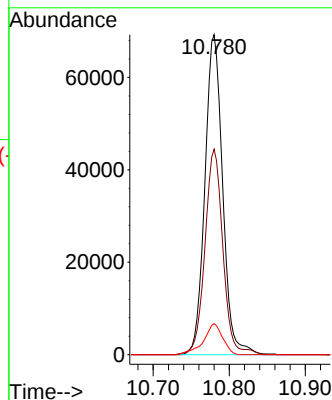
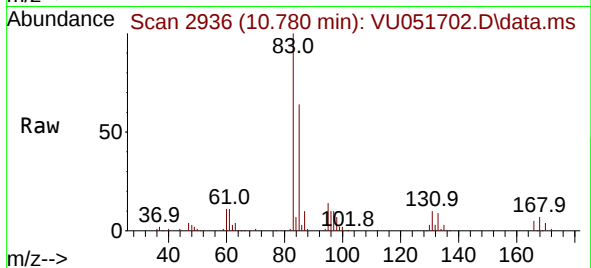
Tgt Ion: 83 Resp: 112516

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

131 9.7 7.8 11.8



#59

Bromoform

Concen: 5.365 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

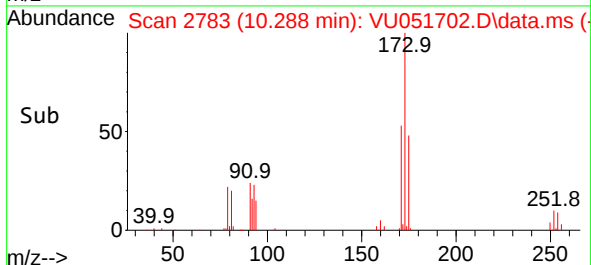
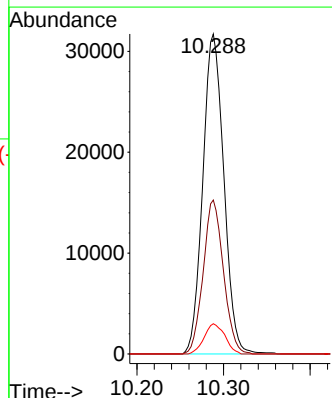
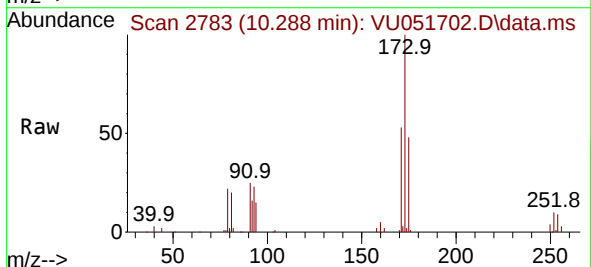
Tgt Ion: 173 Resp: 53525

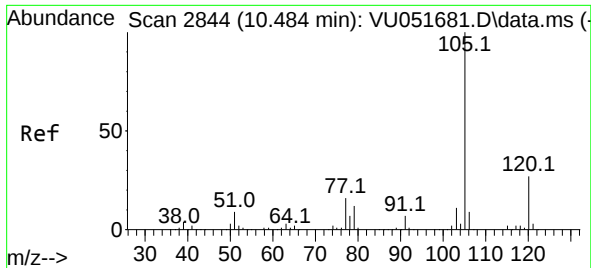
Ion Ratio Lower Upper

173 100

175 46.3 38.7 58.1

254 9.3 7.3 10.9

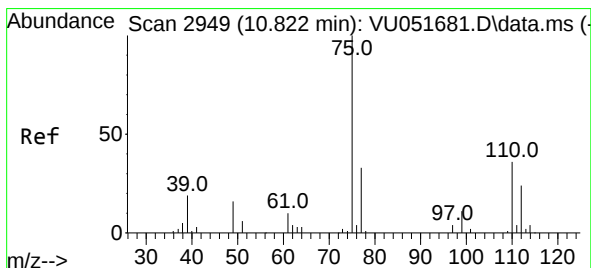
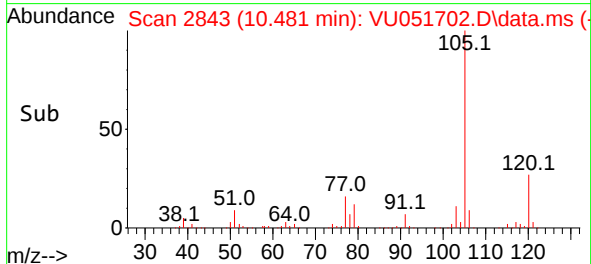
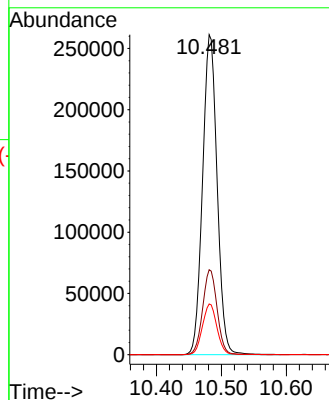
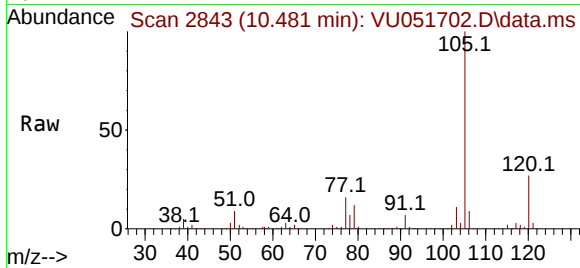




#60
Isopropylbenzene
Concen: 5.168 ug/L
RT: 10.481 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

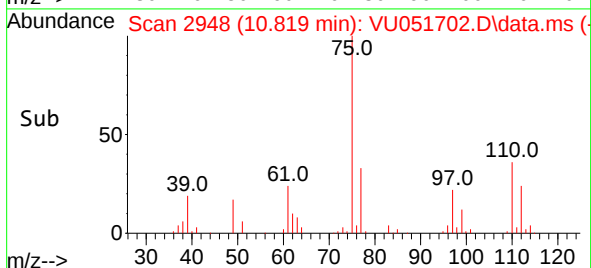
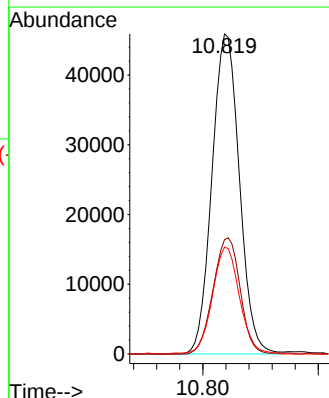
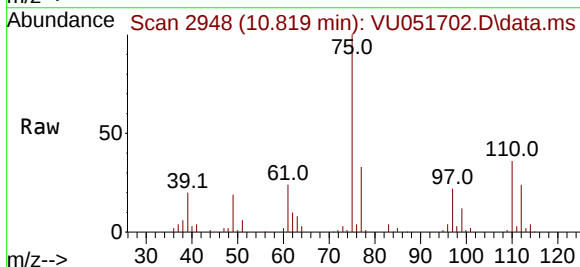
Instrument :
MSVOA_U
ClientSampleId :
DBWU9MSD

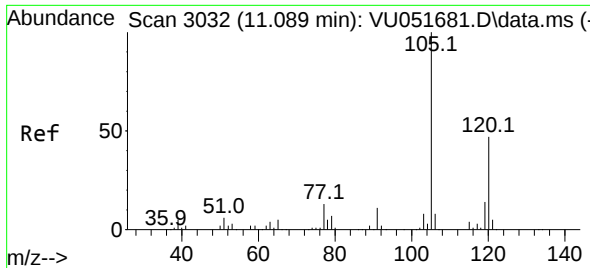
Tgt Ion:105 Resp: 407412
Ion Ratio Lower Upper
105 100
120 26.4 20.9 31.3
77 15.9 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 5.418 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Tgt Ion: 75 Resp: 75650
Ion Ratio Lower Upper
75 100
110 35.7 28.7 43.1
77 33.1 26.1 39.1

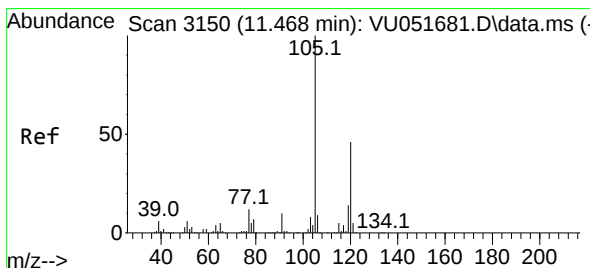
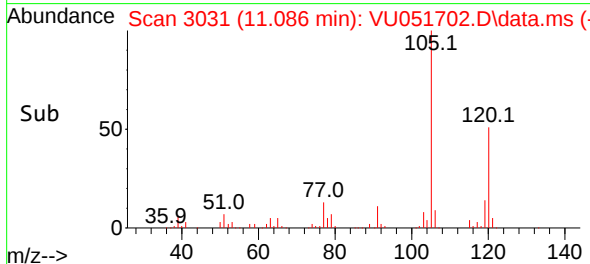
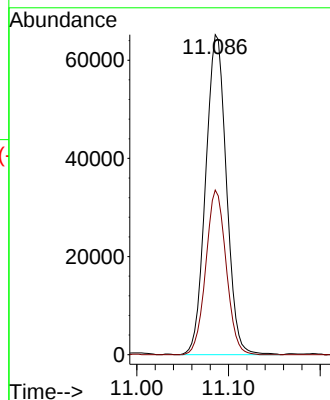
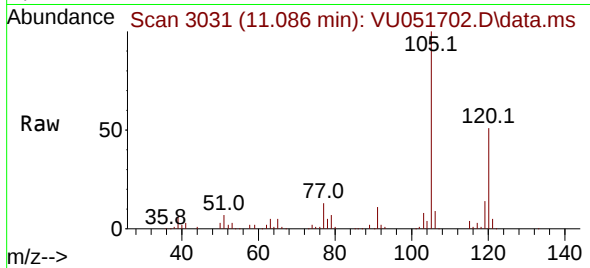




#62
1,3,5-Trimethylbenzene
Concen: 4.829 ug/L
RT: 11.086 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

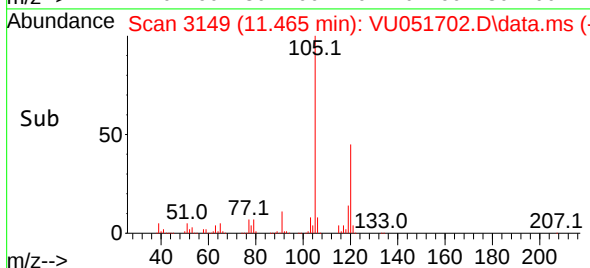
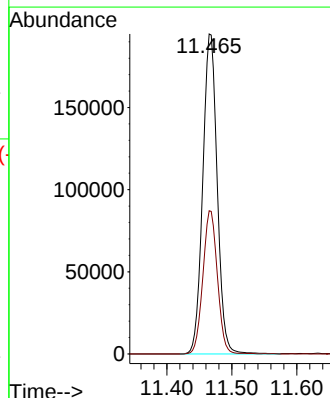
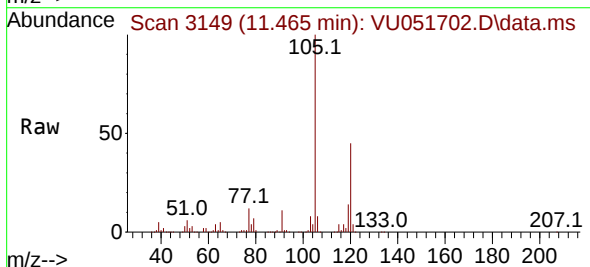
Instrument :
MSVOA_U
ClientSampleId :
DBWU9MSD

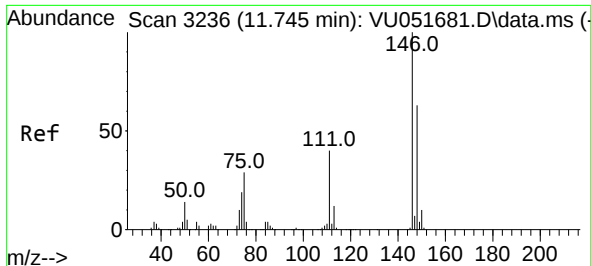
Tgt Ion:105 Resp: 102486
Ion Ratio Lower Upper
105 100
120 50.4 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 4.938 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.003 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Tgt Ion:105 Resp: 302190
Ion Ratio Lower Upper
105 100
120 44.7 35.8 53.6

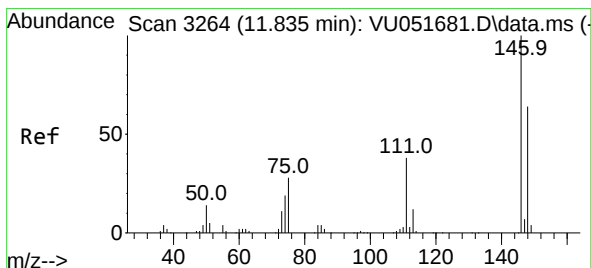
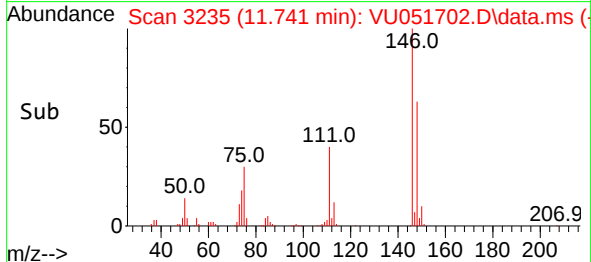
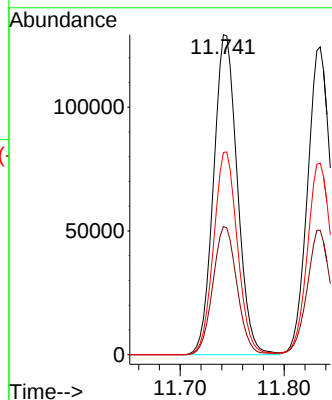
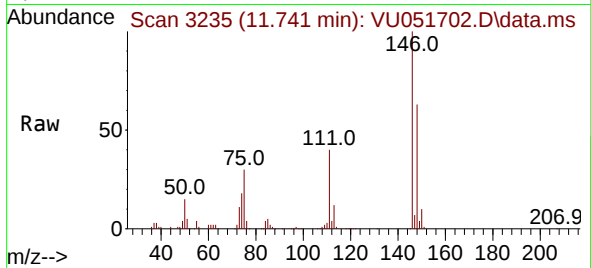




#64
1,3-Dichlorobenzene
Concen: 5.249 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

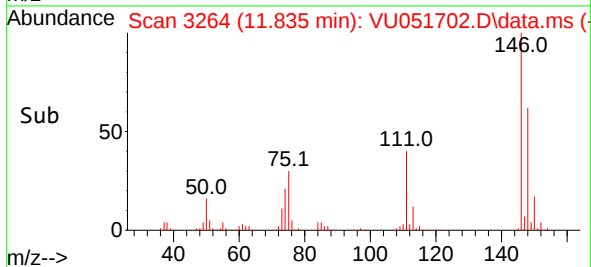
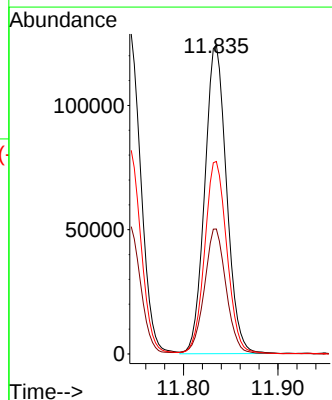
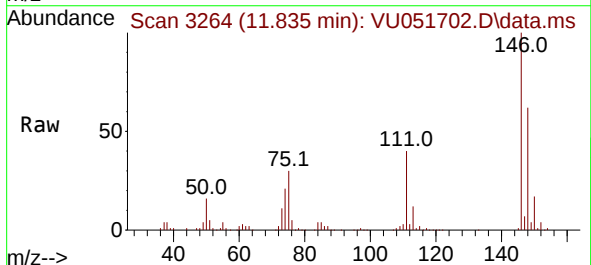
Instrument :
MSVOA_U
ClientSampleId :
DBWU9MSD

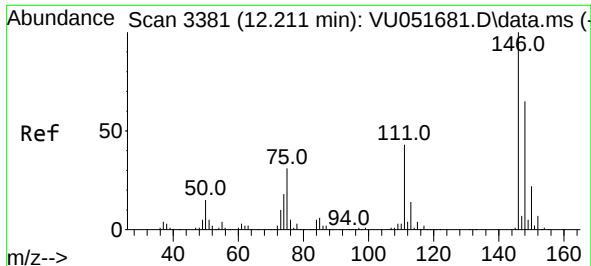
Tgt Ion:146 Resp: 206010
Ion Ratio Lower Upper
146 100
111 40.1 28.6 53.2
148 63.2 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 5.067 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Tgt Ion:146 Resp: 199388
Ion Ratio Lower Upper
146 100
111 40.4 26.7 49.5
148 62.3 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 5.320 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

Instrument :

MSVOA_U

ClientSampleId :

DBWU9MSD

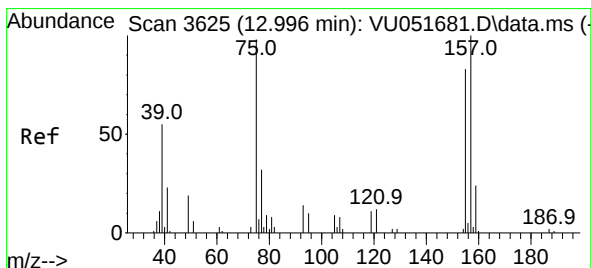
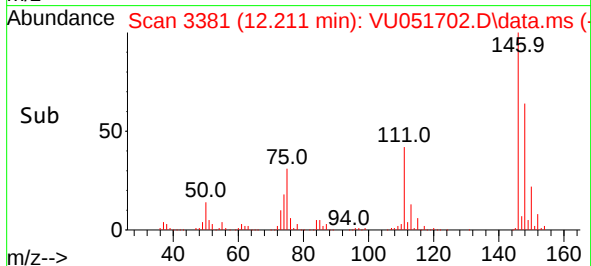
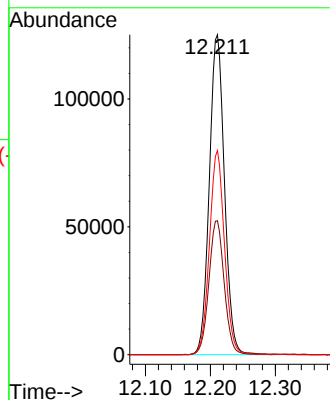
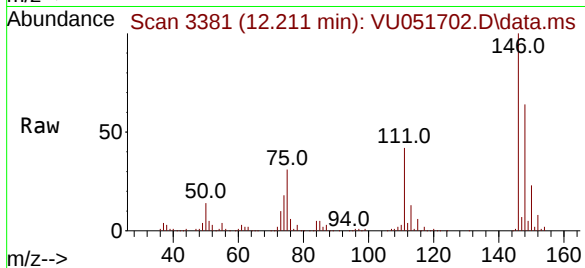
Tgt Ion:146 Resp: 203369

Ion Ratio Lower Upper

146 100

111 41.9 34.2 51.2

148 63.8 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 5.671 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.003 min

Lab File: VU051702.D

Acq: 02 Nov 2022 19:51

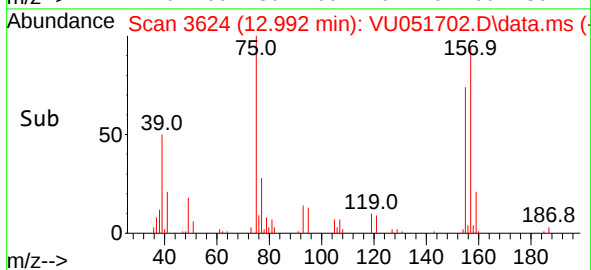
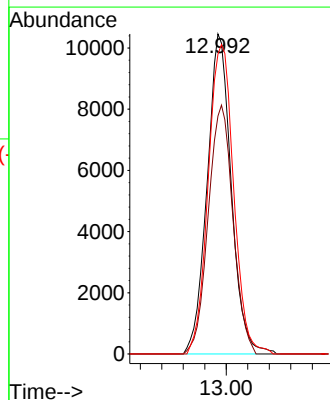
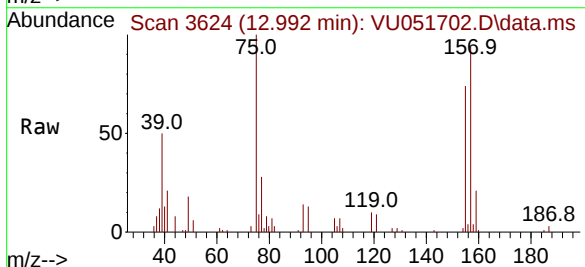
Tgt Ion: 75 Resp: 16305

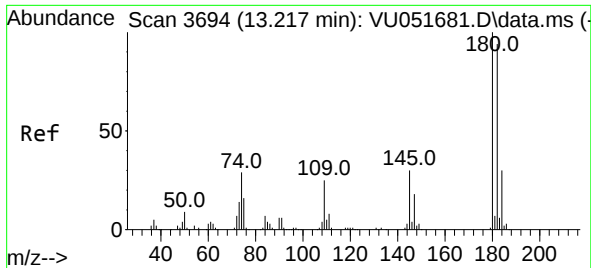
Ion Ratio Lower Upper

75 100

155 74.3 61.4 92.2

157 93.7 86.7 130.1

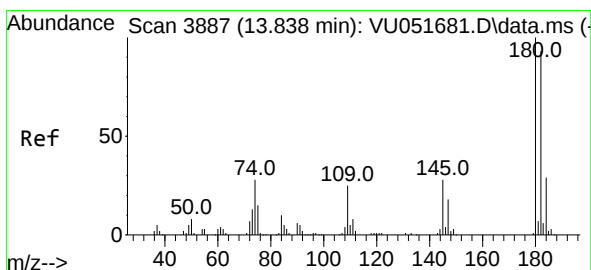
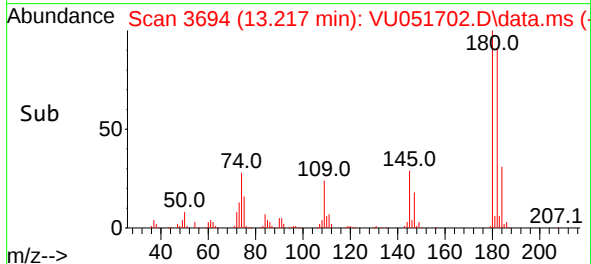
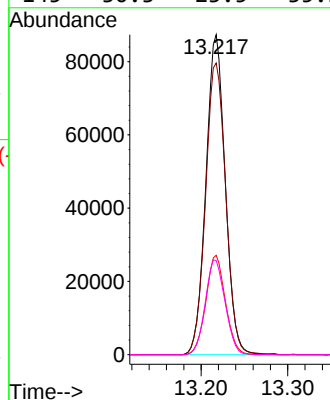
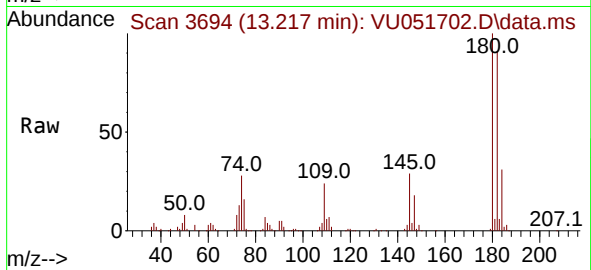




#69
 1,3,5-Trichlorobenzene
 Concen: 4.838 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU051702.D
 Acq: 02 Nov 2022 19:51

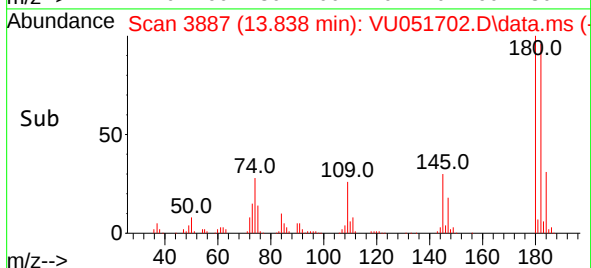
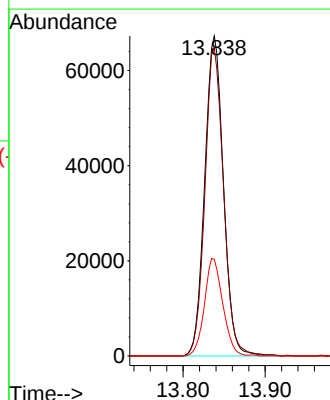
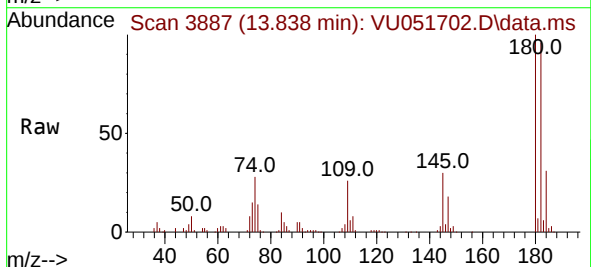
Instrument :
 MSVOA_U
 ClientSampleId :
 DBWU9MSD

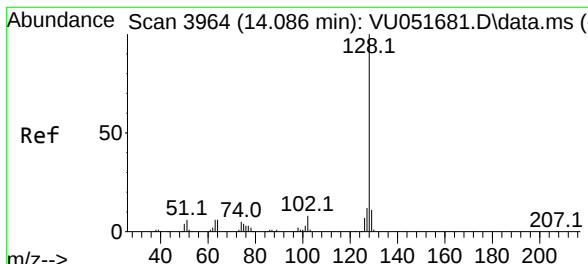
Tgt Ion:180 Resp: 135339
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.0 115.6
 184 31.4 23.7 35.5
 145 30.3 23.5 35.3



#70
 1,2,4-trichlorobenzene
 Concen: 4.978 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU051702.D
 Acq: 02 Nov 2022 19:51

Tgt Ion:180 Resp: 106895
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.8 116.6
 145 29.8 25.0 37.6



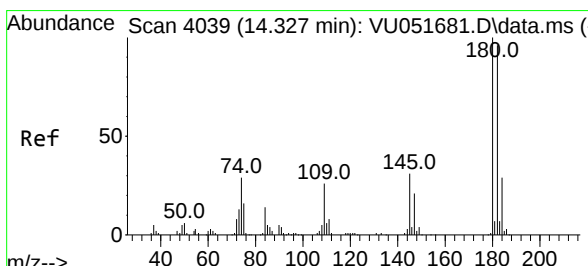
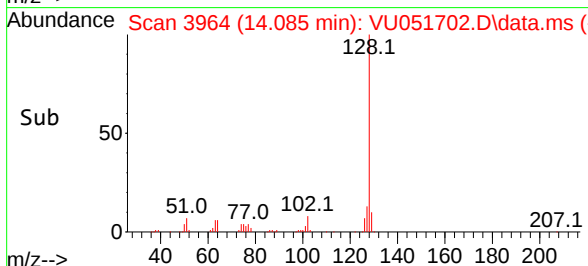
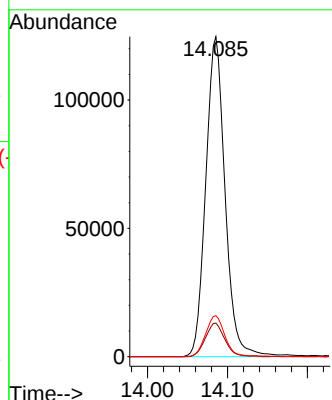
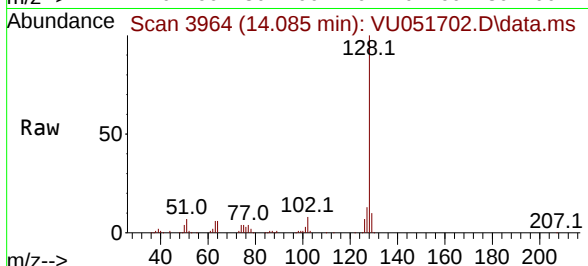


#71
Naphthalene
Concen: 5.225 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Instrument :
MSVOA_U
ClientSampleId :
DBWU9MSD

Tgt Ion:128 Resp: 209441

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.4	12.6
127	12.8	10.3	15.5



#72
1,2,3-Trichlorobenzene
Concen: 5.179 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051702.D
Acq: 02 Nov 2022 19:51

Tgt Ion:180 Resp: 112317

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
145	31.4	25.6	38.4

