

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111422\
 Data File : VU051839.D
 Acq On : 14 Nov 2022 17:08
 Operator : JC/MD
 Sample : N5593-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 03:04:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 15 03:00:15 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	131216	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	128089	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	44455	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	46372	4.692	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	93.800%	
7) Chloroethane-d5	1.912	69	51268	4.974	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	99.400%	
11) 1,1-Dichloroethene-d2	2.565	65	17942	5.002	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	100.000%	
20) 2-Butanone-d5	4.616	46	179454	50.140	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	100.280%	
24) Chloroform-d	5.063	84	122808	5.310	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	106.200%	
26) 1,2-Dichloroethane-d4	5.700	65	67509	5.404	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	108.000%	
32) Benzene-d6	5.726	84	209113	5.173	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	103.400%	
36) 1,2-Dichloropropane-d6	6.690	67	79640	5.635	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	112.600%	
41) Toluene-d8	7.896	98	134302	4.225	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	84.600%	
43) trans-1,3-Dichloroprop...	8.179	79	19498	4.512	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	90.200%	
46) 2-Hexanone-d5	8.629	63	132398	50.891	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	101.780%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	77287	5.967	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	119.400%	
66) 1,2-Dichlorobenzene-d4	12.192	152	52898	6.483	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	129.600%#	
Target Compounds						
5) Vinyl chloride	1.604	62	2268	0.131	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	484	0.043	ug/L #	19
12) 1,1-Dichloroethene	2.578	96	30136	2.642	ug/L #	76
16) Methylene chloride	3.044	84	7157	0.383	ug/L	94
19) 1,1-Dichloroethane	3.870	63	6245	0.277	ug/L	93
22) cis-1,2-Dichloroethene	4.668	96	20554	1.517	ug/L	98
25) Chloroform	5.089	83	9551	0.408	ug/L	97
29) 1,1,1-Trichloroethane	5.308	97	1341	0.077	ug/L #	81
34) Trichloroethene	6.539	95	124974	10.245	ug/L	99
35) Methylcyclohexane	6.687	83	18227	1.081	ug/L #	19
45) 1,1,2-Trichloroethane	8.546	97	1865	0.196	ug/L #	1
47) Tetrachloroethene	8.552	164	215665	23.084	ug/L	97
48) 2-Hexanone	8.632	43	21477	4.449	ug/L #	73
49) Dibromochloromethane	8.552	129	207006	19.020	ug/L #	10
51) Chlorobenzene	9.449	112	7541	0.231	ug/L	98
61) 1,2,3-Trichloropropane	11.815	75	8025	1.396	ug/L #	59
64) 1,3-Dichlorobenzene	11.835	146	11141	0.690	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	11141	0.688	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	3764	0.239	ug/L #	88

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QLast Update : Tue Nov 15 03:00:15 2022
Response via : Initial Calibration

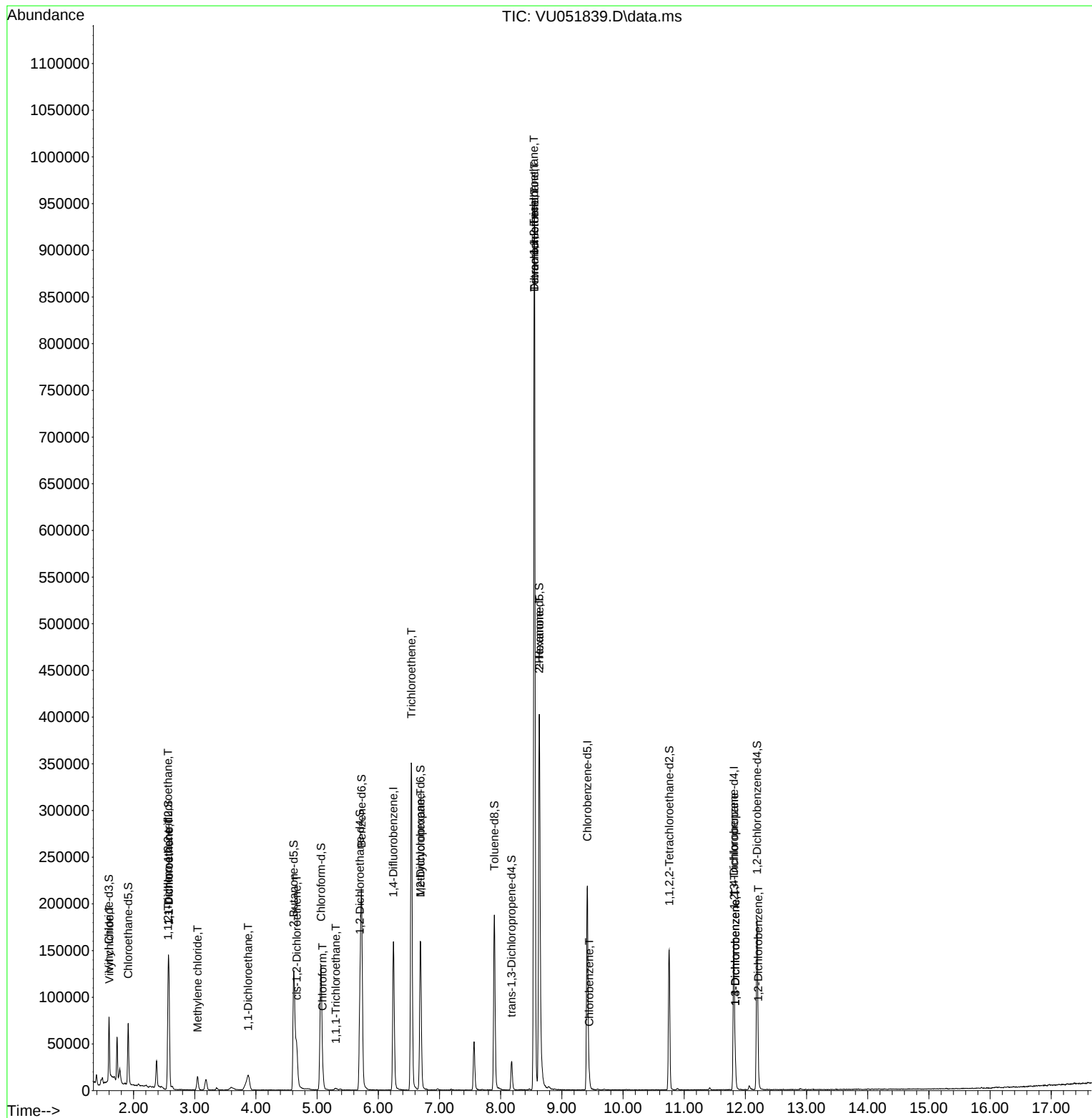
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

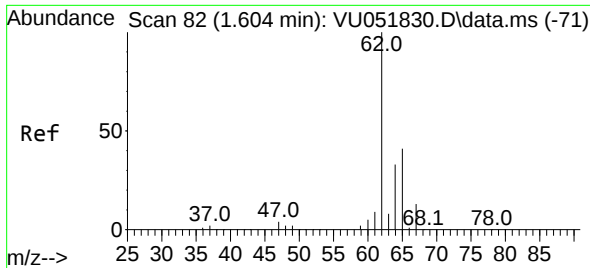
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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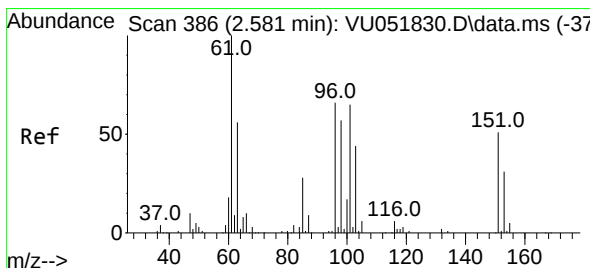
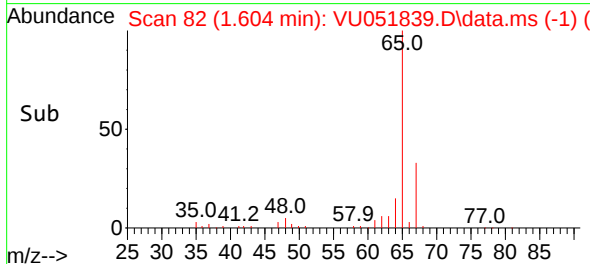
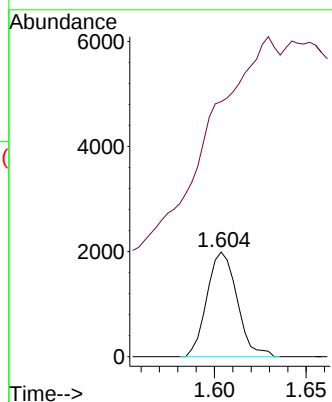
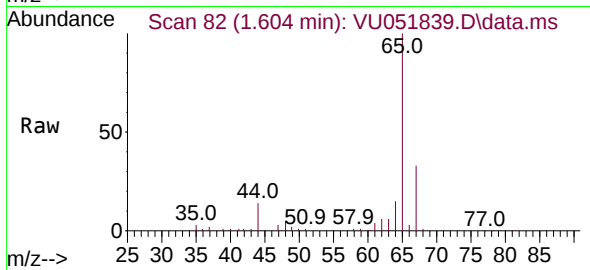




#5
 Vinyl chloride
 Concen: 0.131 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051839.D
 Acq: 14 Nov 2022 17:08

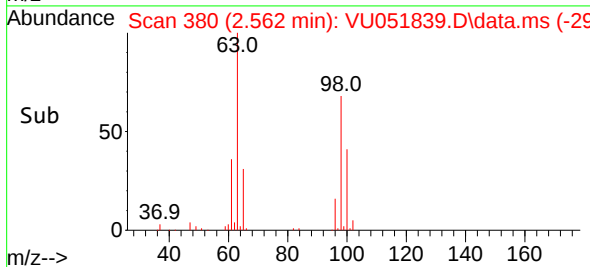
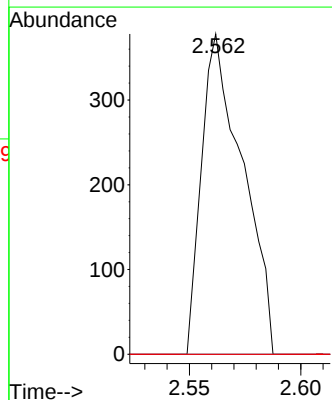
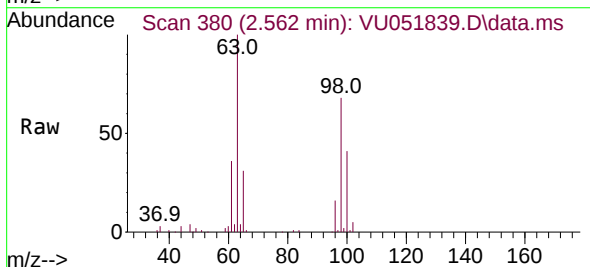
Instrument :
 MSVOA_U
 ClientSampleId :

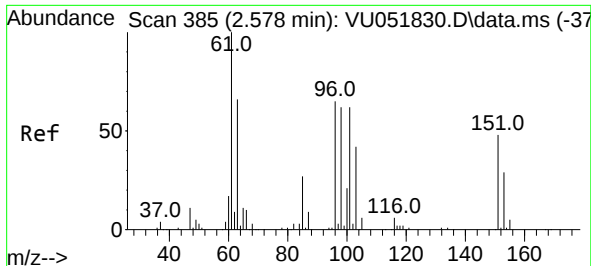
Tgt Ion: 62 Resp: 2268
 Ion Ratio Lower Upper
 62 100
 64 243.8 22.1 41.1#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.043 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.019 min
 Lab File: VU051839.D
 Acq: 14 Nov 2022 17:08

Tgt Ion: 101 Resp: 484
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.6 53.4#
 151 0.0 59.6 89.4#





#12

1,1-Dichloroethene

Concen: 2.642 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU051839.D

Acq: 14 Nov 2022 17:08

Instrument :

MSVOA_U

ClientSampleId :

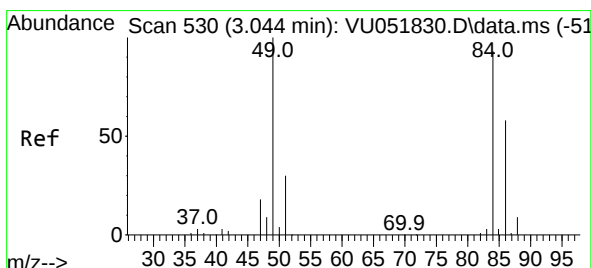
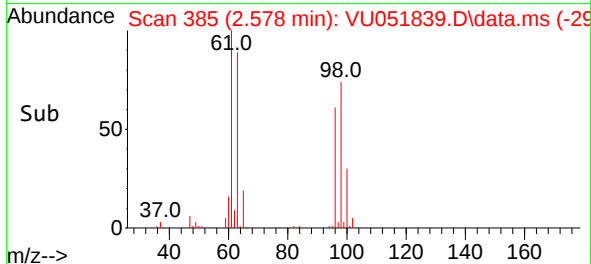
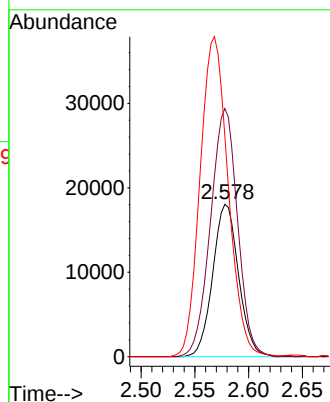
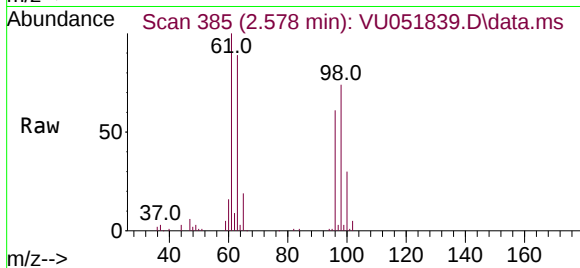
Tgt Ion: 96 Resp: 30136

Ion Ratio Lower Upper

96 100

61 162.9 108.8 202.0

63 145.1 64.9 120.5#



#16

Methylene chloride

Concen: 0.383 ug/L

RT: 3.044 min Scan# 530

Delta R.T. -0.000 min

Lab File: VU051839.D

Acq: 14 Nov 2022 17:08

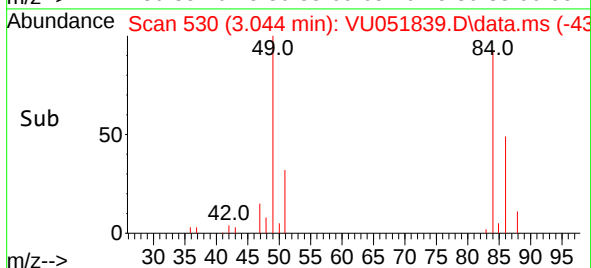
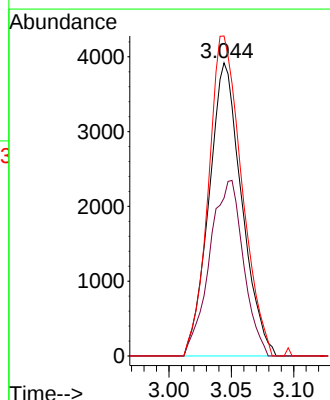
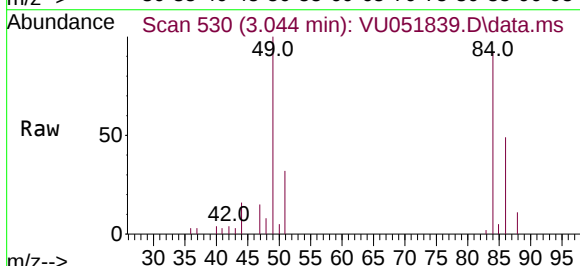
Tgt Ion: 84 Resp: 7157

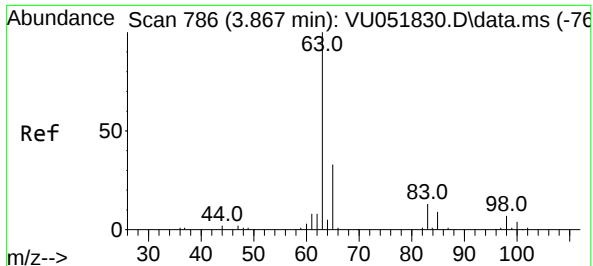
Ion Ratio Lower Upper

84 100

86 53.9 46.3 85.9

49 109.2 76.0 141.2





#19

1,1-Dichloroethane

Concen: 0.277 ug/L

RT: 3.870 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU051839.D

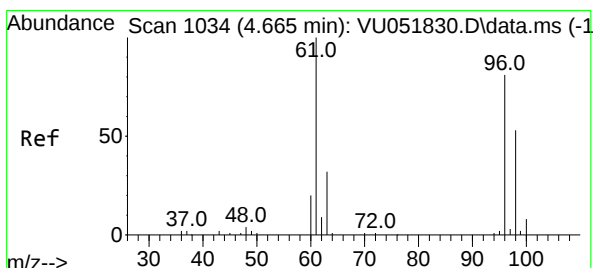
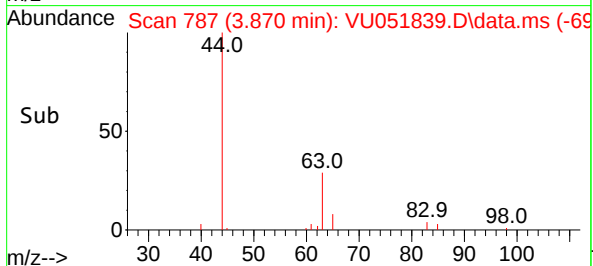
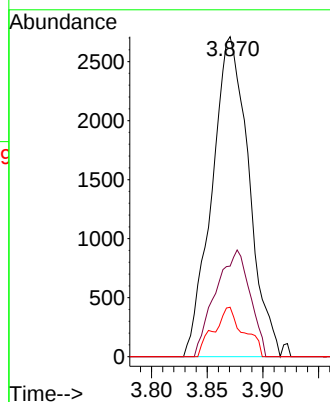
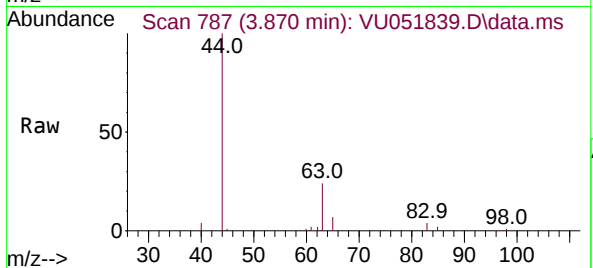
Acq: 14 Nov 2022 17:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	6245
Ion	Ratio	Lower	Upper
63	100		
65	28.3	22.7	42.1
83	15.5	9.2	17.0



#22

cis-1,2-Dichloroethene

Concen: 1.517 ug/L

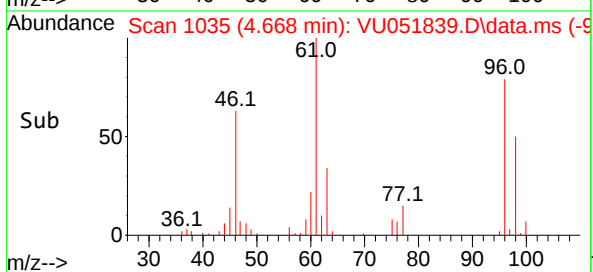
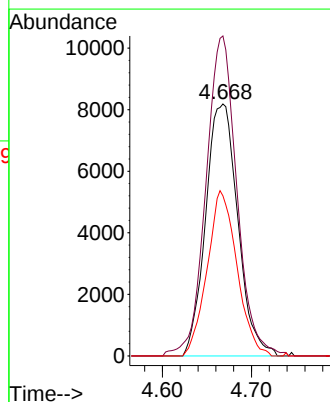
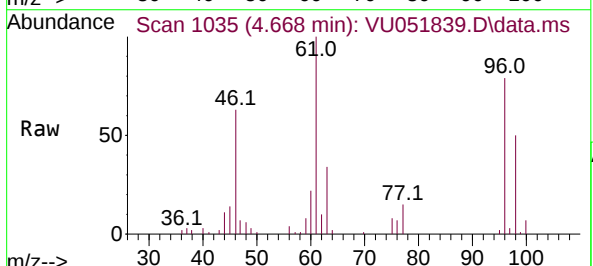
RT: 4.668 min Scan# 1035

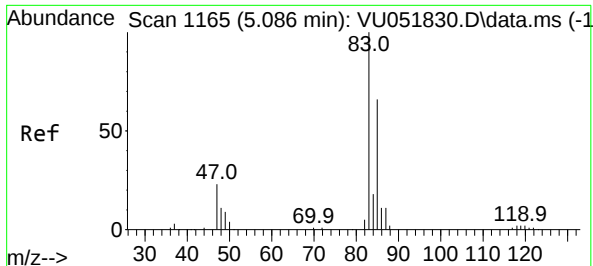
Delta R.T. 0.003 min

Lab File: VU051839.D

Acq: 14 Nov 2022 17:08

Tgt Ion:	96	Resp:	20554
Ion	Ratio	Lower	Upper
96	100		
61	127.0	86.4	160.4
98	63.6	44.2	82.2





#25

Chloroform

Concen: 0.408 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU051839.D

Acq: 14 Nov 2022 17:08

Instrument :

MSVOA_U

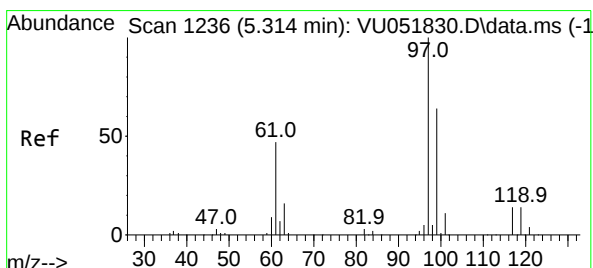
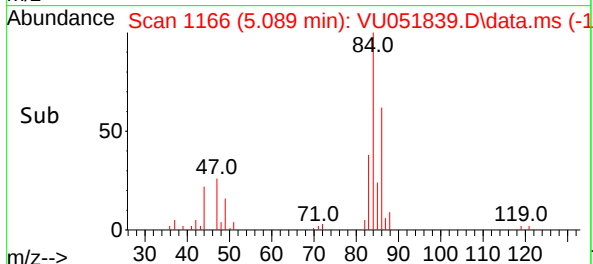
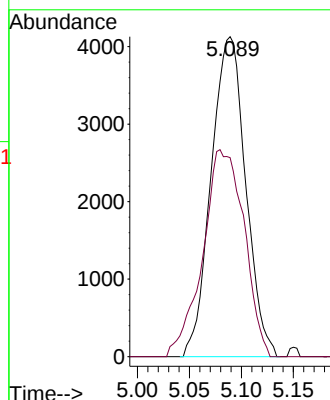
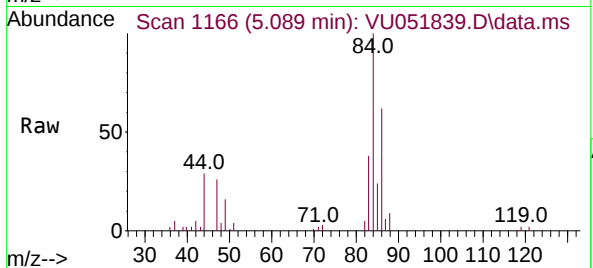
ClientSampleId :

Tgt Ion: 83 Resp: 9551

Ion Ratio Lower Upper

83 100

85 62.2 45.2 84.0



#29

1,1,1-Trichloroethane

Concen: 0.077 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.007 min

Lab File: VU051839.D

Acq: 14 Nov 2022 17:08

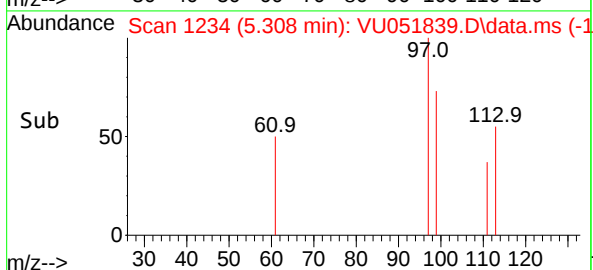
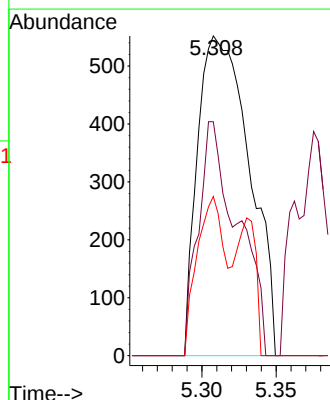
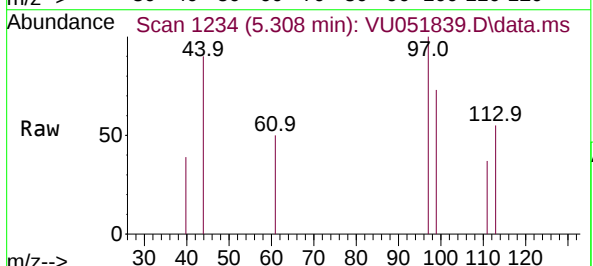
Tgt Ion: 97 Resp: 1341

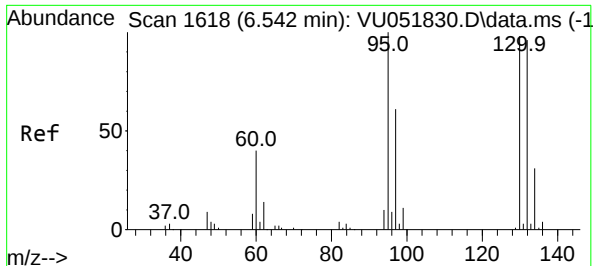
Ion Ratio Lower Upper

97 100

99 55.8 51.1 76.7

61 25.7 37.4 56.0#



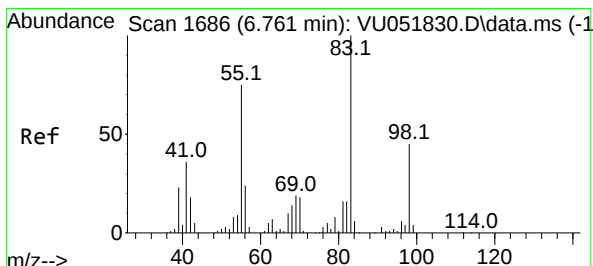
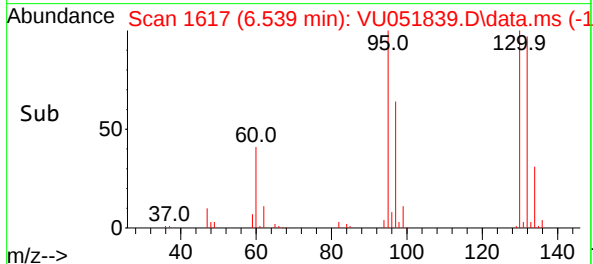
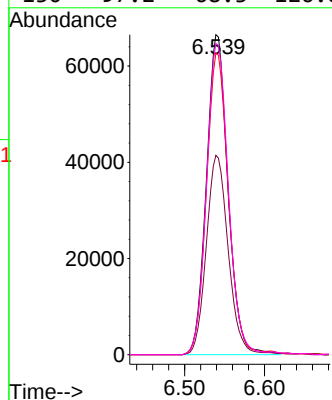
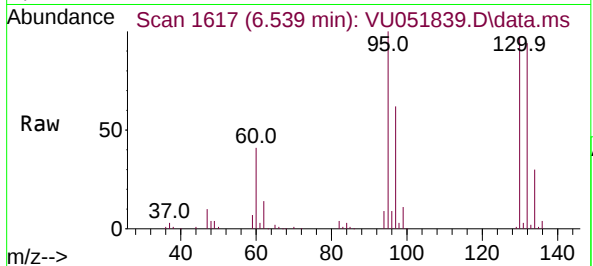


#34
Trichloroethene
Concen: 10.245 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU051839.D
Acq: 14 Nov 2022 17:08

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 124974

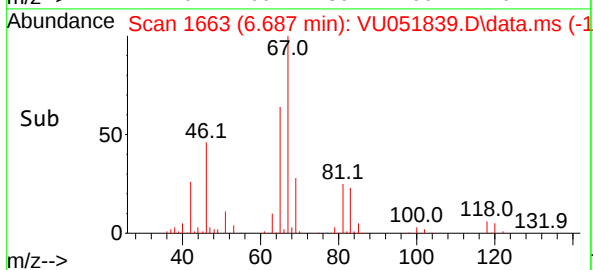
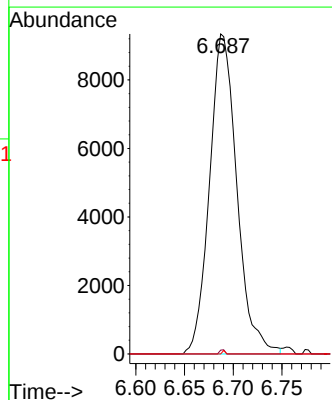
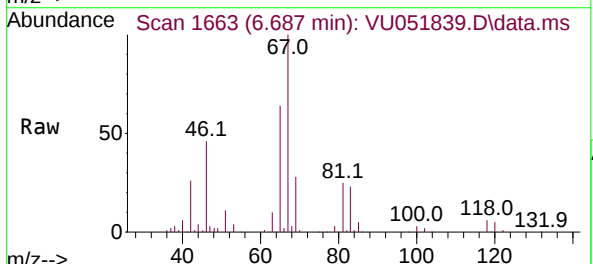
Ion	Ratio	Lower	Upper
95	100		
97	62.3	45.2	84.0
132	94.3	66.5	123.5
130	97.2	68.3	126.8

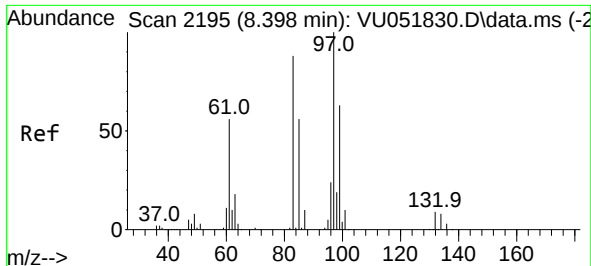


#35
Methylcyclohexane
Concen: 1.081 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU051839.D
Acq: 14 Nov 2022 17:08

Tgt Ion: 83 Resp: 18227

Ion	Ratio	Lower	Upper
83	100		
55	0.2	60.6	90.8#
98	0.0	35.8	53.6#





#45

1,1,2-Trichloroethane

Concen: 0.196 ug/L

RT: 8.546 min Scan# 2195

Delta R.T. 0.148 min

Lab File: VU051839.D

Acq: 14 Nov 2022 17:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 1865

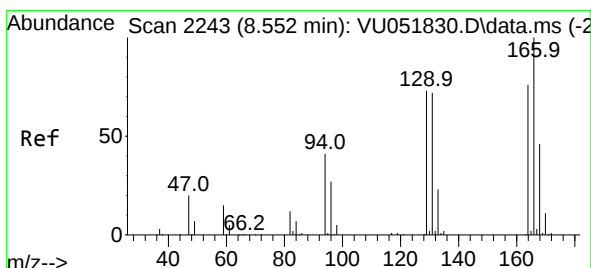
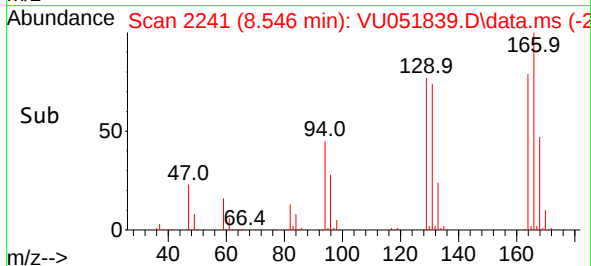
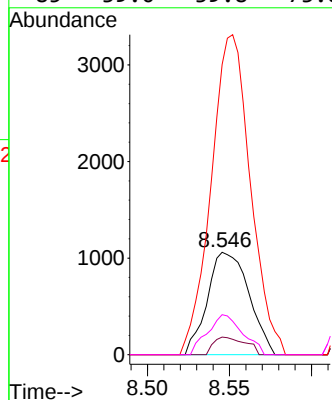
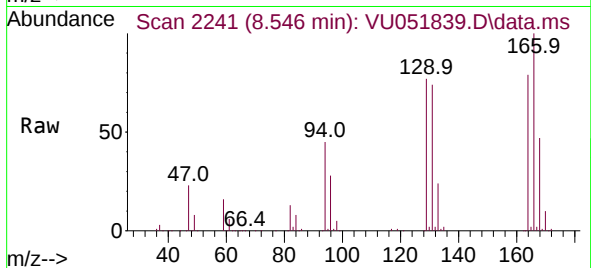
Ion Ratio Lower Upper

97 100

99 17.2 43.4 80.6#

83 283.1 61.3 113.9#

85 39.0 39.8 73.8#



#47

Tetrachloroethene

Concen: 23.084 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU051839.D

Acq: 14 Nov 2022 17:08

Tgt Ion: 164 Resp: 215665

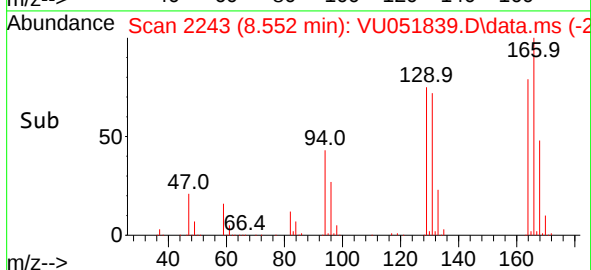
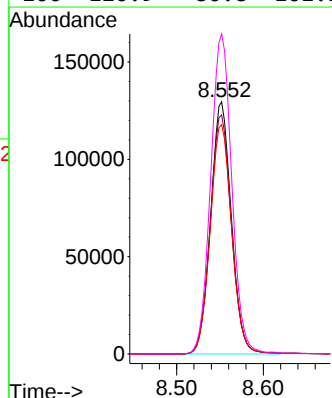
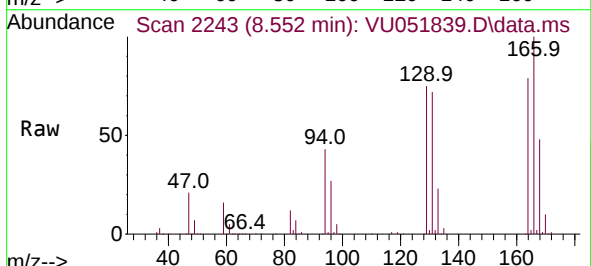
Ion Ratio Lower Upper

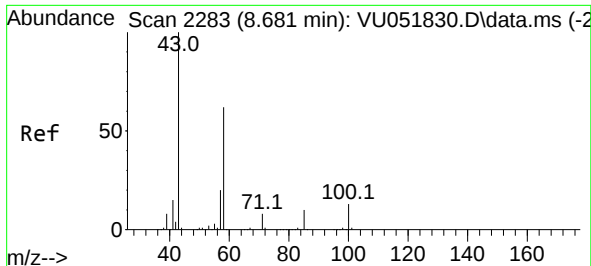
164 100

129 94.8 64.0 118.8

131 91.0 60.7 112.7

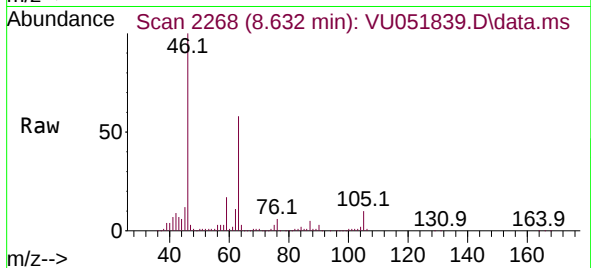
166 126.9 86.8 161.2



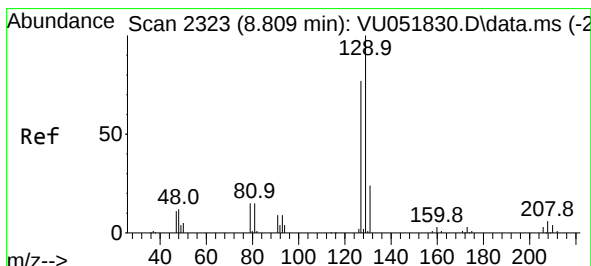
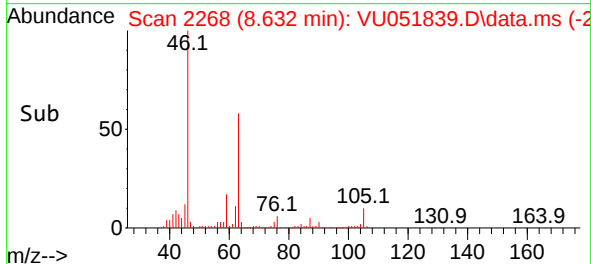
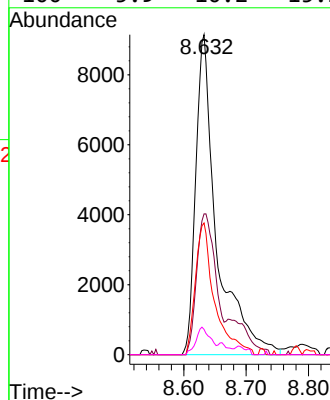


#48
2-Hexanone
Concen: 4.449 ug/L
RT: 8.632 min Scan# 21477
Delta R.T. -0.048 min
Lab File: VU051839.D
Acq: 14 Nov 2022 17:08

Instrument :
MSVOA_U
ClientSampleId :

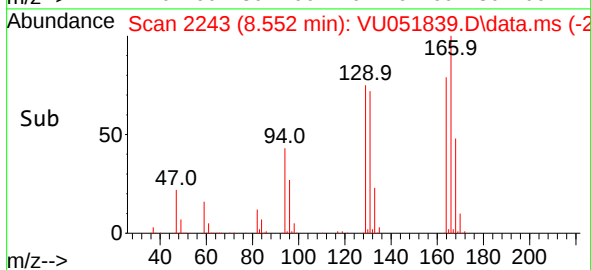
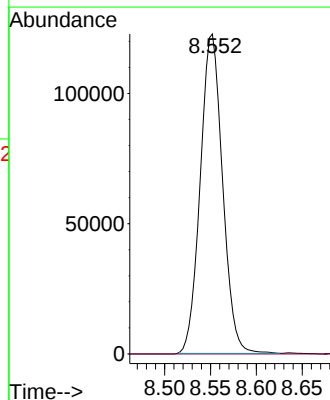
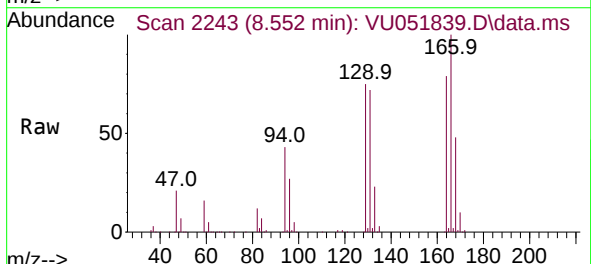


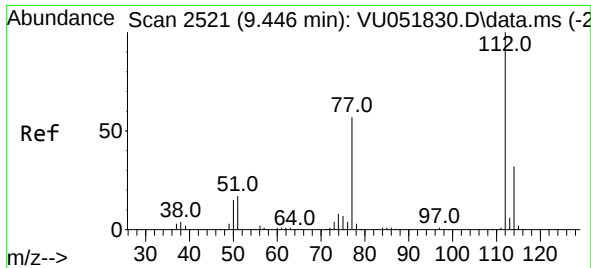
Tgt Ion: 43	Resp: 21477
Ion Ratio	Lower Upper
43 100	
58 40.0	48.2 72.2#
57 37.4	16.6 25.0#
100 5.9	10.2 15.2#



#49
Dibromochloromethane
Concen: 19.020 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU051839.D
Acq: 14 Nov 2022 17:08

Tgt Ion:129	Resp: 207006
Ion Ratio	Lower Upper
129 100	
127 0.0	54.8 101.8#

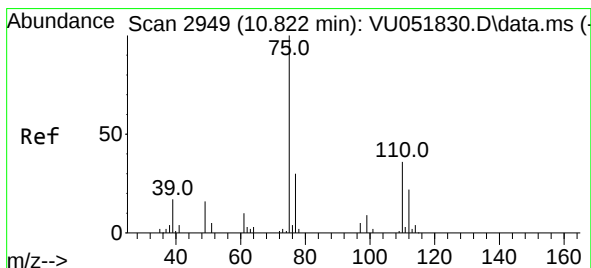
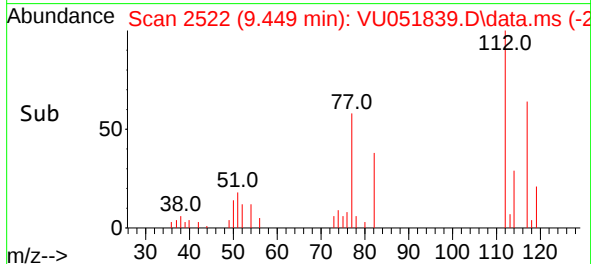
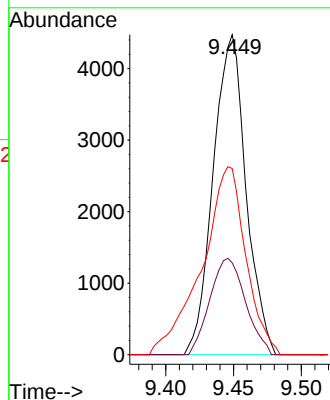
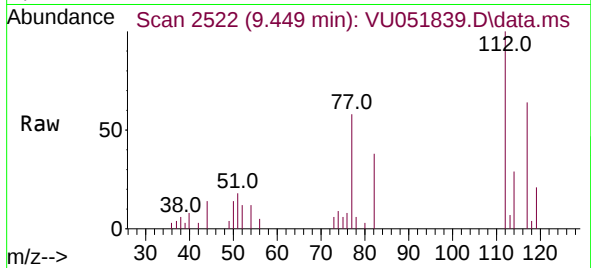




#51
Chlorobenzene
Concen: 0.231 ug/L
RT: 9.449 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051839.D
Acq: 14 Nov 2022 17:08

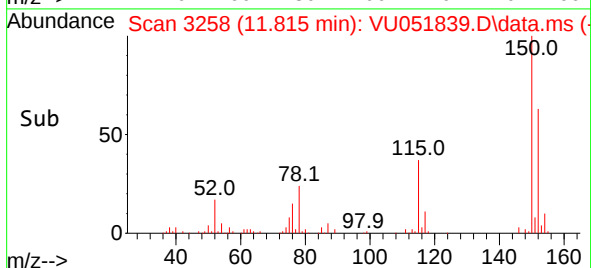
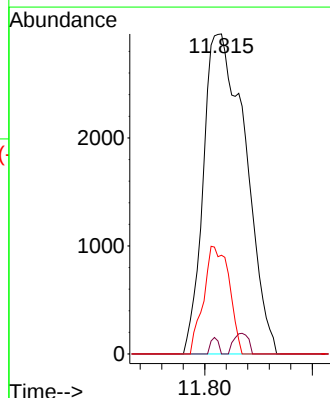
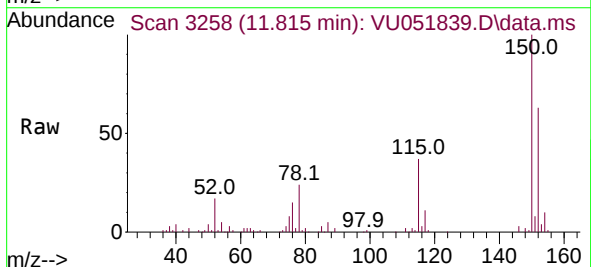
Instrument :
MSVOA_U
ClientSampleId :

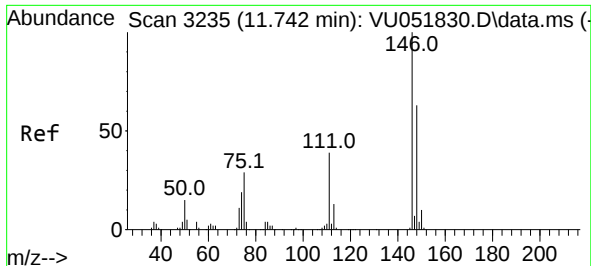
Tgt Ion:112 Resp: 7541
Ion Ratio Lower Upper
112 100
114 28.7 22.0 40.8
77 58.2 46.7 70.1



#61
1,2,3-Trichloropropane
Concen: 1.396 ug/L
RT: 11.815 min Scan# 3258
Delta R.T. 0.993 min
Lab File: VU051839.D
Acq: 14 Nov 2022 17:08

Tgt Ion: 75 Resp: 8025
Ion Ratio Lower Upper
75 100
110 0.9 28.7 43.1#
77 20.5 26.1 39.1#

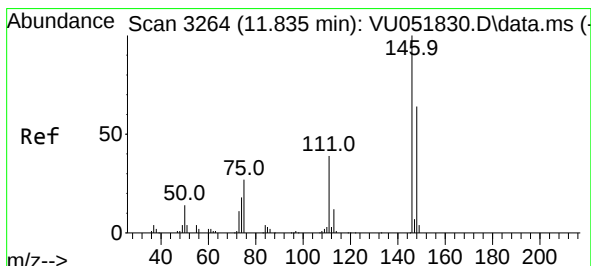
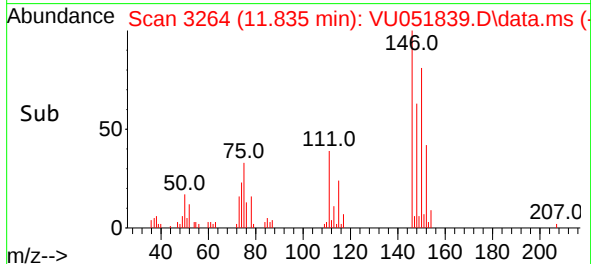
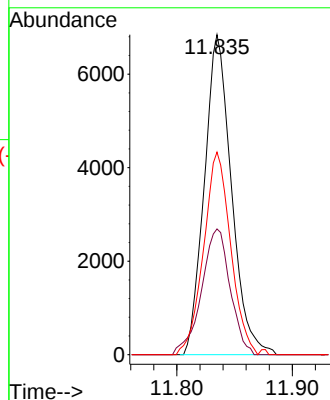
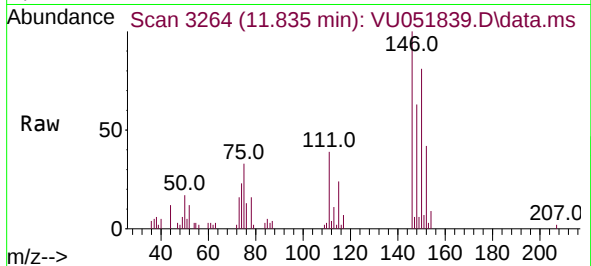




#64
1,3-Dichlorobenzene
Concen: 0.690 ug/L
RT: 11.835 min Scan# 311
Delta R.T. 0.093 min
Lab File: VU051839.D
Acq: 14 Nov 2022 17:08

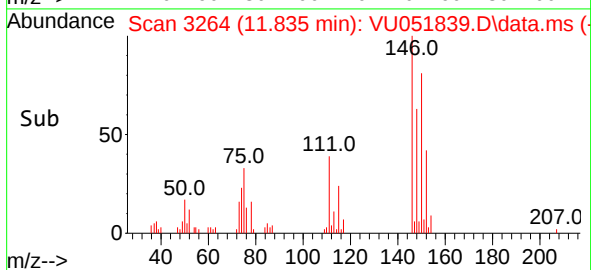
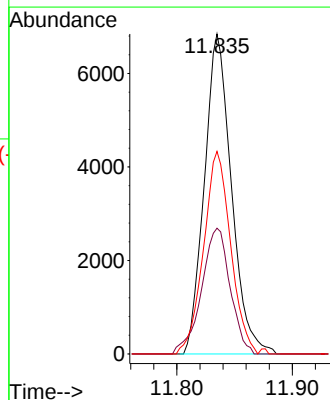
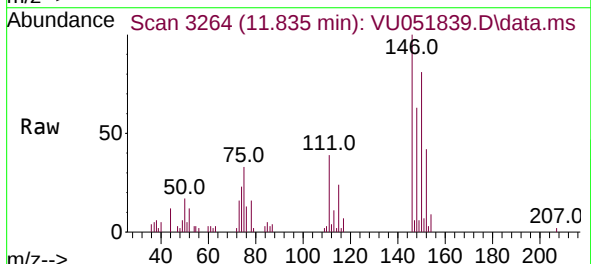
Instrument :
MSVOA_U
ClientSampleId :

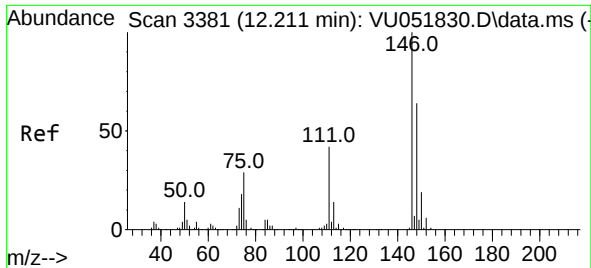
Tgt Ion:146 Resp: 11141
Ion Ratio Lower Upper
146 100
111 39.3 28.6 53.2
148 63.3 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 0.688 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051839.D
Acq: 14 Nov 2022 17:08

Tgt Ion:146 Resp: 11141
Ion Ratio Lower Upper
146 100
111 39.3 26.7 49.5
148 63.3 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 0.239 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

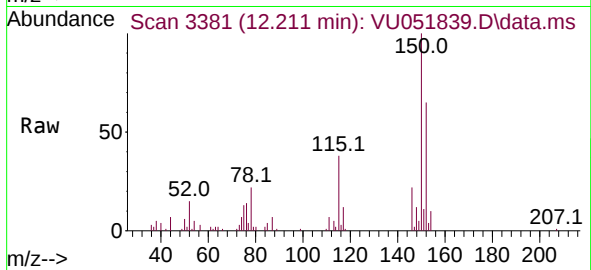
Lab File: VU051839.D

Acq: 14 Nov 2022 17:08

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	146	Resp:	3764
Ion	Ratio	Lower	Upper
146	100		
111	33.1	34.2	51.2#
148	54.5	50.1	75.1

