

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111422\
 Data File : VU051852.D
 Acq On : 14 Nov 2022 22:34
 Operator : JC/MD
 Sample : N5592-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 03:07:35 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)

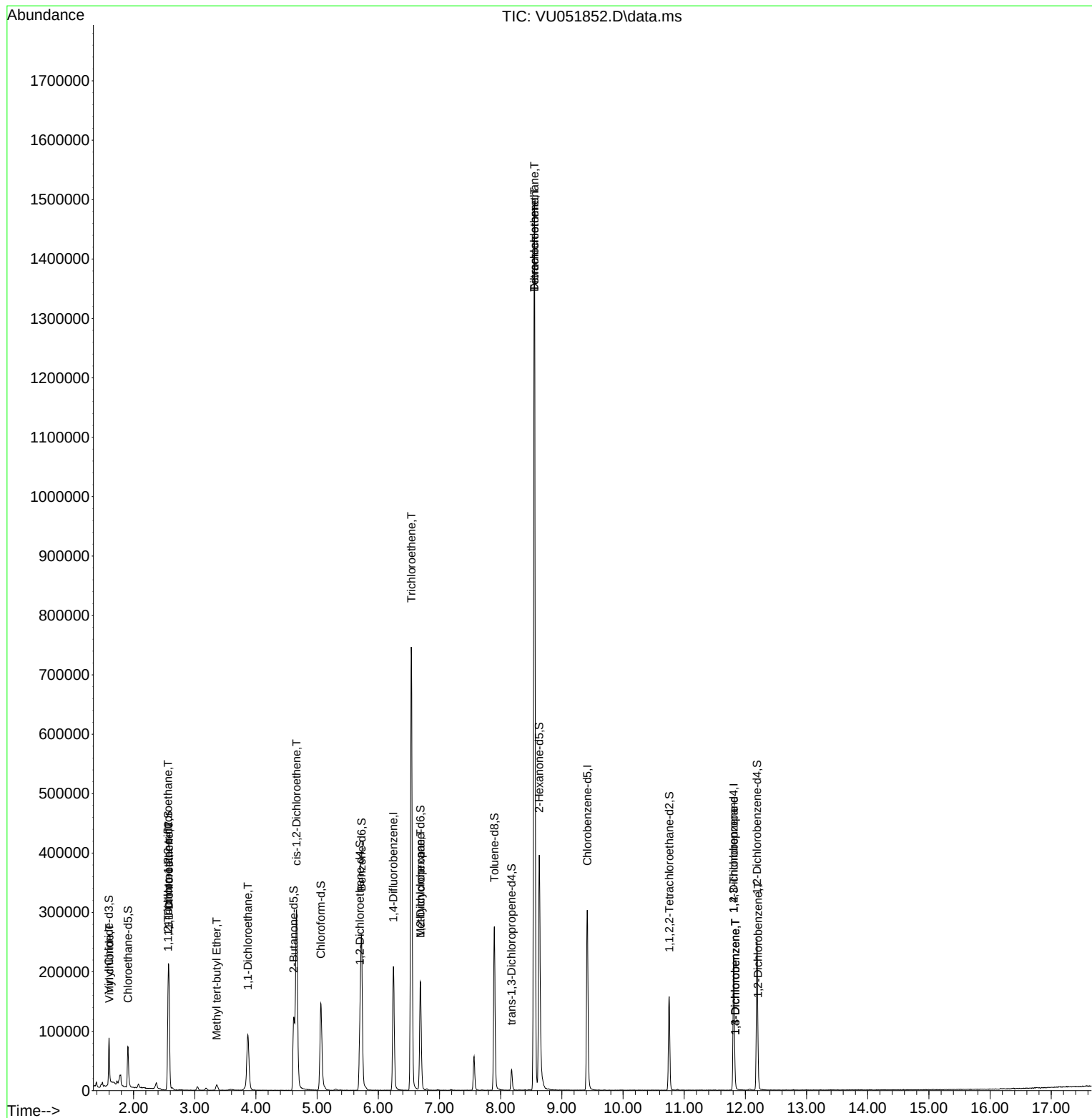
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	173576	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	180340	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	62839	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	53349	4.081	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.600%
7) Chloroethane-d5	1.909	69	55828	4.095	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.800%
11) 1,1-Dichloroethene-d2	2.565	65	21966	4.630	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.600%
20) 2-Butanone-d5	4.617	46	175716	37.114	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.220%
24) Chloroform-d	5.060	84	134377	4.393	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.700	65	71254	4.312	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
32) Benzene-d6	5.726	84	259727	4.564	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.687	67	90905	4.568	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.400%
41) Toluene-d8	7.896	98	191559	4.280	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
43) trans-1,3-Dichloroprop...	8.179	79	20206	3.321	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.400%
46) 2-Hexanone-d5	8.629	63	129659	35.398	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.800%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	80029	4.388	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	69755	6.048	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.000%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	3033	0.132	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	679	0.046	ug/L #	19
12) 1,1-Dichloroethene	2.578	96	49083	3.253	ug/L #	81
17) Methyl tert-butyl Ether	3.359	73	8837	0.255	ug/L	95
19) 1,1-Dichloroethane	3.867	63	100116	3.352	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	160854	8.977	ug/L	99
34) Trichloroethene	6.539	95	263420	15.338	ug/L	97
35) Methylcyclohexane	6.690	83	20722	0.873	ug/L #	20
47) Tetrachloroethene	8.552	164	346862	26.370	ug/L	94
49) Dibromochloromethane	8.552	129	331858	21.657	ug/L #	10
61) 1,2,3-Trichloropropane	11.809	75	7917	0.974	ug/L #	66
64) 1,3-Dichlorobenzene	11.838	146	2507	0.110	ug/L	91
65) 1,4-Dichlorobenzene	11.838	146	2507	0.109	ug/L	94
67) 1,2-Dichlorobenzene	12.208	146	3689	0.166	ug/L #	88

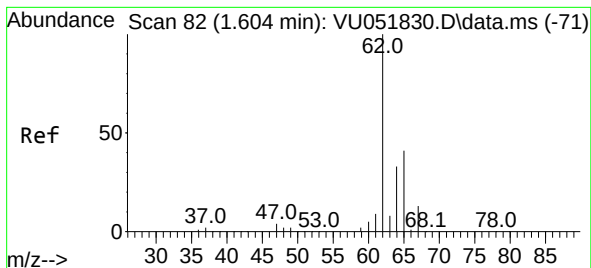
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.132 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU051852.D

Acq: 14 Nov 2022 22:34

Instrument :

MSVOA_U

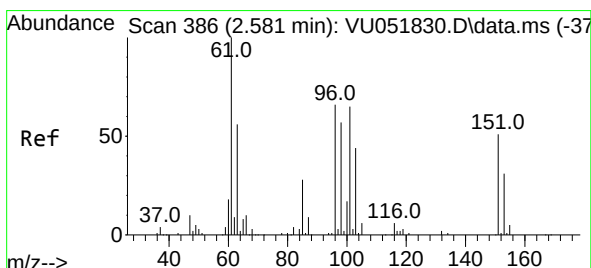
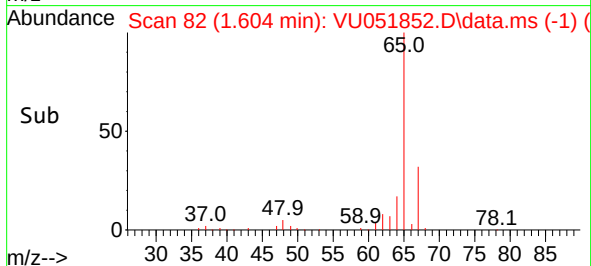
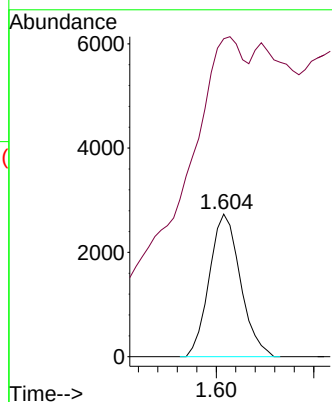
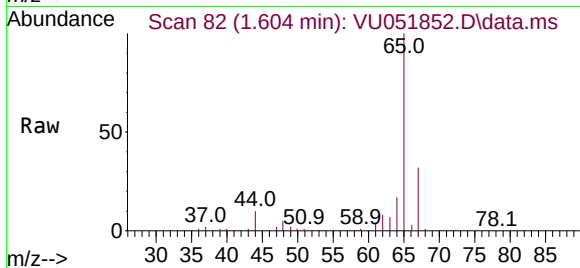
ClientSampleId :

Tgt Ion: 62 Resp: 3033

Ion Ratio Lower Upper

62 100

64 223.1 22.1 41.1#



#10

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

Concen: 0.046 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.019 min

Lab File: VU051852.D

Acq: 14 Nov 2022 22:34

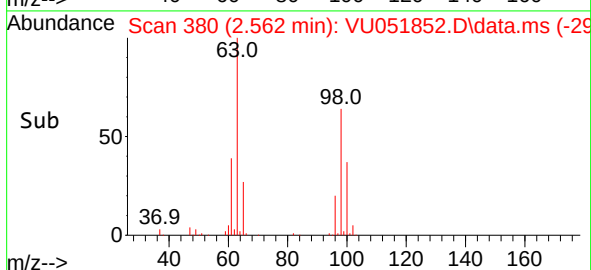
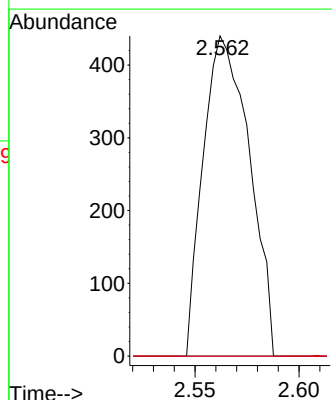
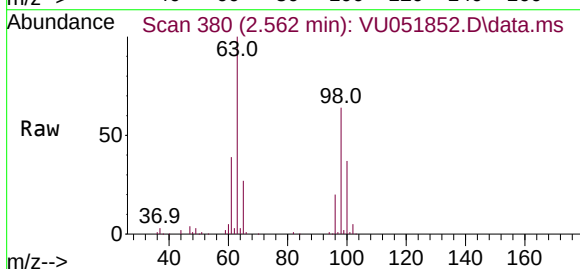
Tgt Ion: 101 Resp: 679

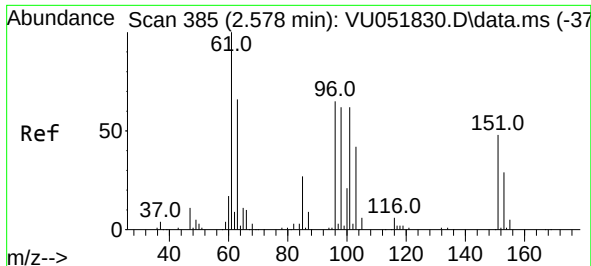
Ion Ratio Lower Upper

101 100

85 0.0 35.6 53.4#

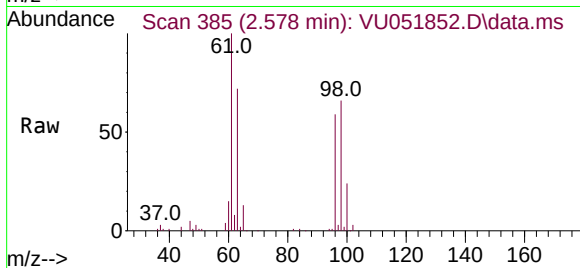
151 0.0 59.6 89.4#



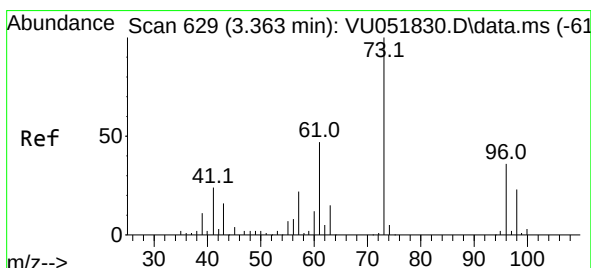
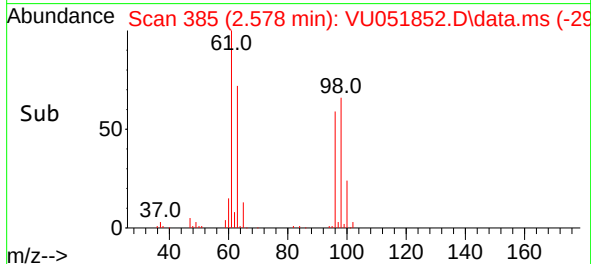
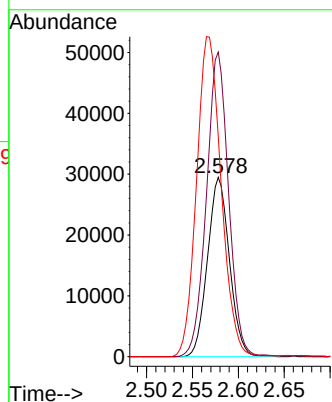


#12
 1,1-Dichloroethene
 Concen: 3.253 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051852.D
 Acq: 14 Nov 2022 22:34

Instrument :
 MSVOA_U
 ClientSampleId :

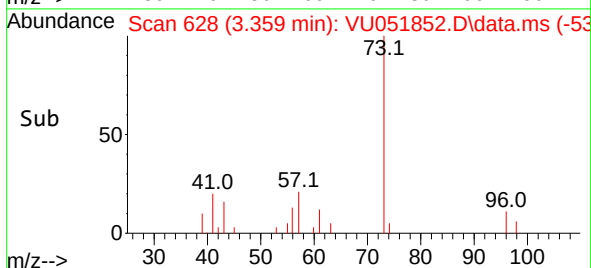
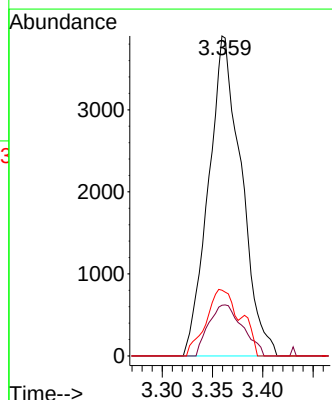
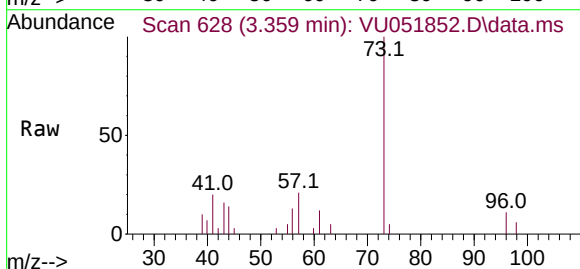


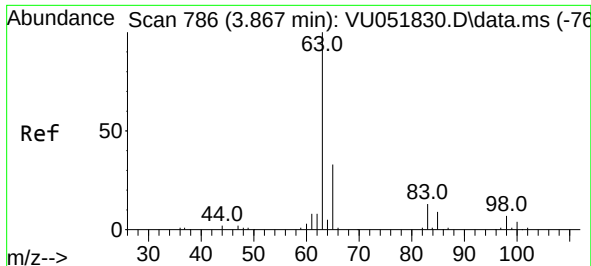
Tgt Ion: 96 Resp: 49083
 Ion Ratio Lower Upper
 96 100
 61 169.9 108.8 202.0
 63 122.7 64.9 120.5#



#17
 Methyl tert-butyl Ether
 Concen: 0.255 ug/L
 RT: 3.359 min Scan# 628
 Delta R.T. -0.003 min
 Lab File: VU051852.D
 Acq: 14 Nov 2022 22:34

Tgt Ion: 73 Resp: 8837
 Ion Ratio Lower Upper
 73 100
 43 16.5 13.6 20.4
 57 17.7 17.5 26.3





#19

1,1-Dichloroethane

Concen: 3.352 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU051852.D

Acq: 14 Nov 2022 22:34

Instrument :

MSVOA_U

ClientSampleId :

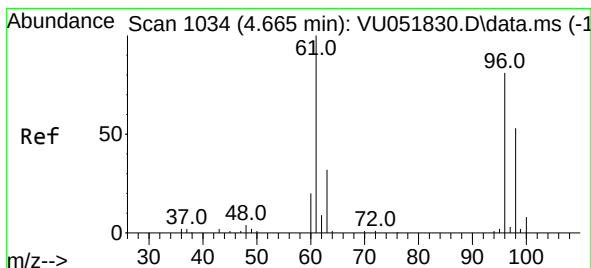
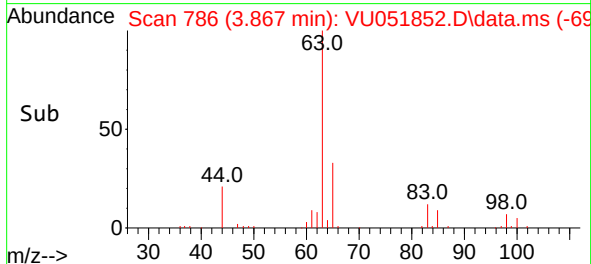
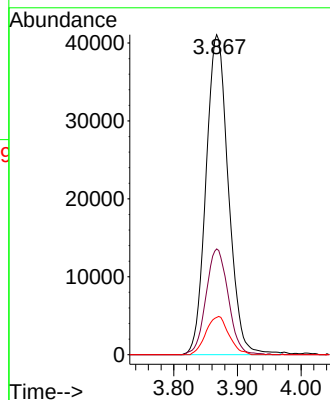
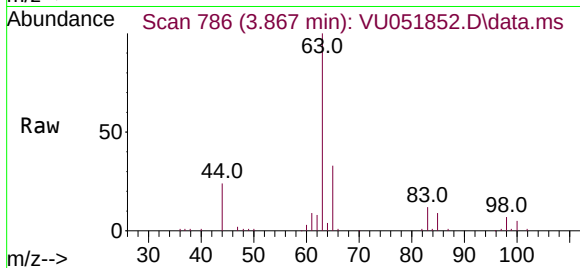
Tgt Ion: 63 Resp: 100116

Ion Ratio Lower Upper

63 100

65 33.1 22.7 42.1

83 11.7 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 8.977 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051852.D

Acq: 14 Nov 2022 22:34

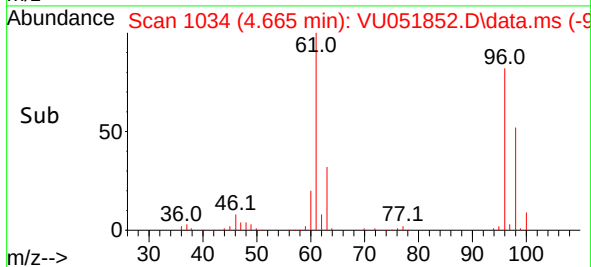
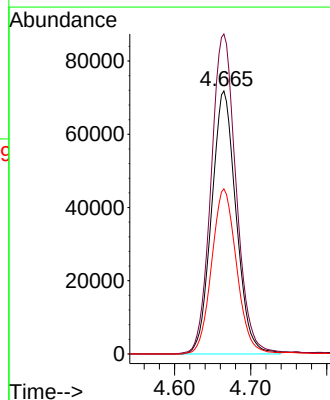
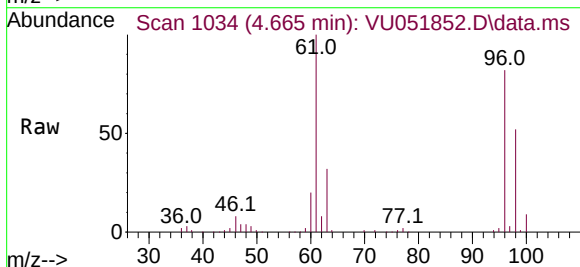
Tgt Ion: 96 Resp: 160854

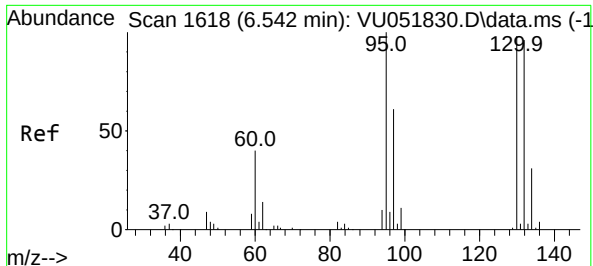
Ion Ratio Lower Upper

96 100

61 121.6 86.4 160.4

98 62.8 44.2 82.2

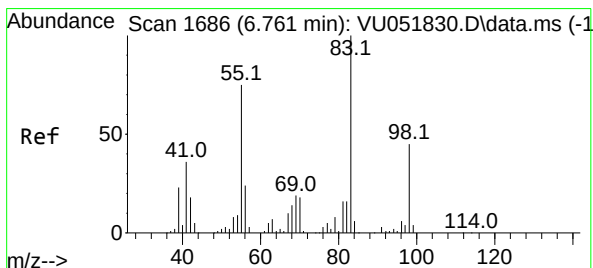
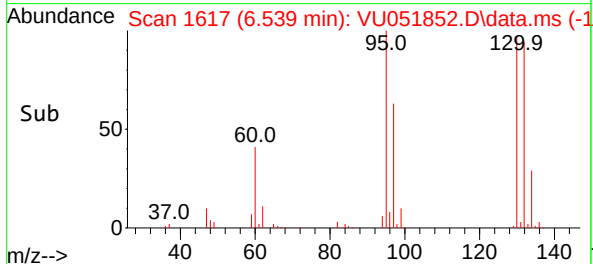
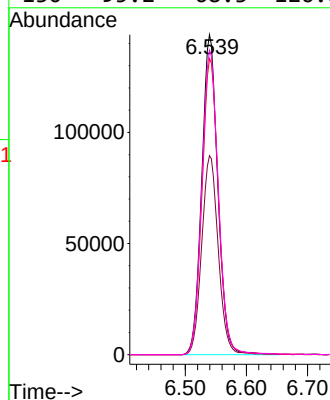
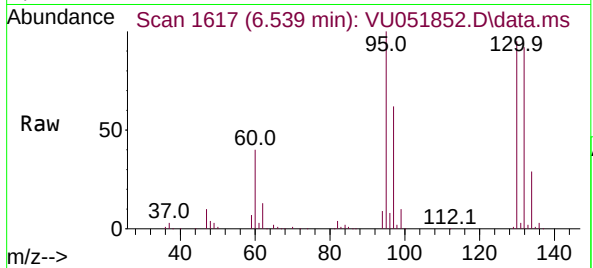




#34
Trichloroethene
Concen: 15.338 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU051852.D
Acq: 14 Nov 2022 22:34

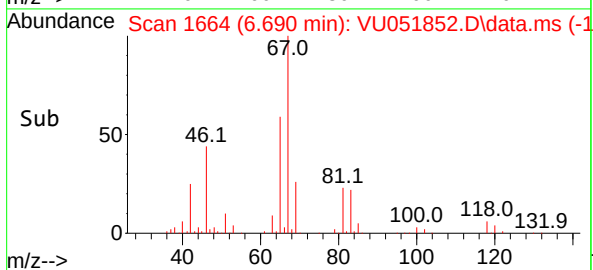
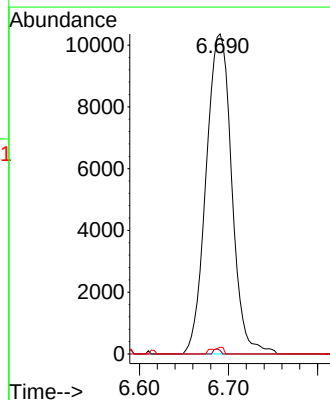
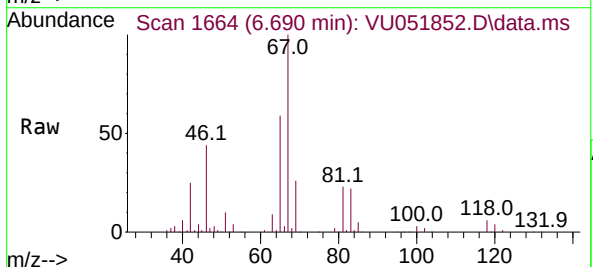
Instrument :
MSVOA_U
ClientSampleId :

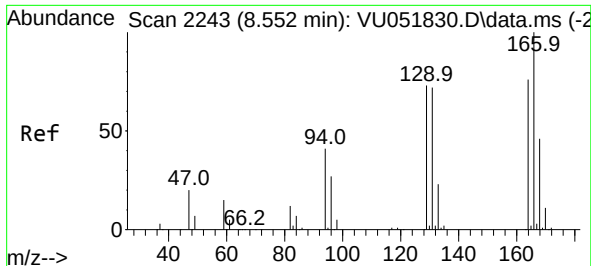
Tgt Ion: 95 Resp: 263420
Ion Ratio Lower Upper
95 100
97 62.2 45.2 84.0
132 92.5 66.5 123.5
130 95.2 68.3 126.8



#35
Methylcyclohexane
Concen: 0.873 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU051852.D
Acq: 14 Nov 2022 22:34

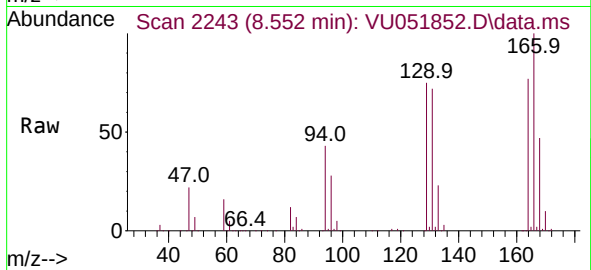
Tgt Ion: 83 Resp: 20722
Ion Ratio Lower Upper
83 100
55 0.4 60.6 90.8#
98 1.0 35.8 53.6#



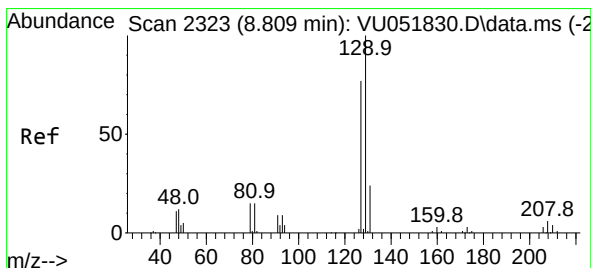
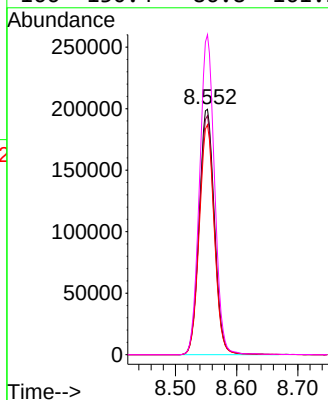
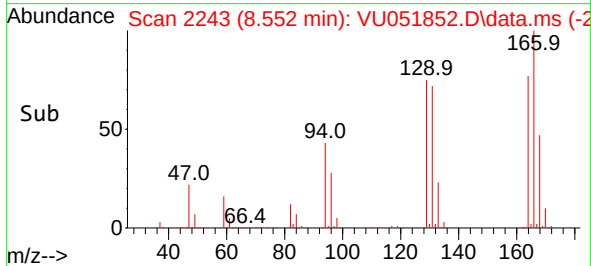


#47
Tetrachloroethene
Concen: 26.370 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051852.D
Acq: 14 Nov 2022 22:34

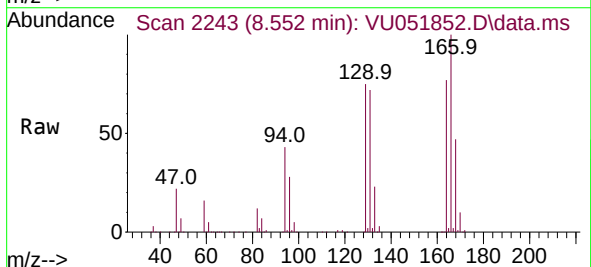
Instrument :
MSVOA_U
ClientSampleId :



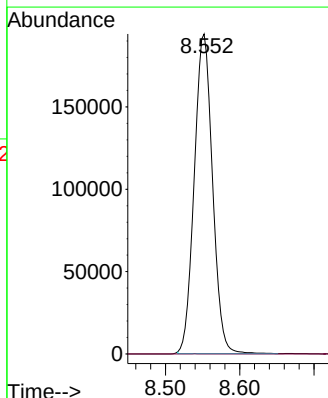
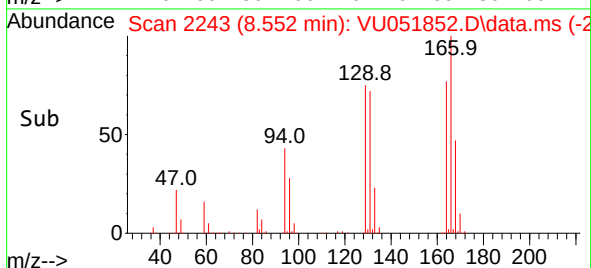
Tgt Ion:164 Resp: 346862
Ion Ratio Lower Upper
164 100
129 97.4 64.0 118.8
131 93.6 60.7 112.7
166 130.4 86.8 161.2

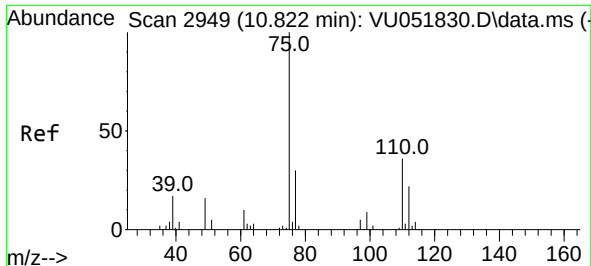


#49
Dibromochloromethane
Concen: 21.657 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU051852.D
Acq: 14 Nov 2022 22:34



Tgt Ion:129 Resp: 331858
Ion Ratio Lower Upper
129 100
127 0.0 54.8 101.8#

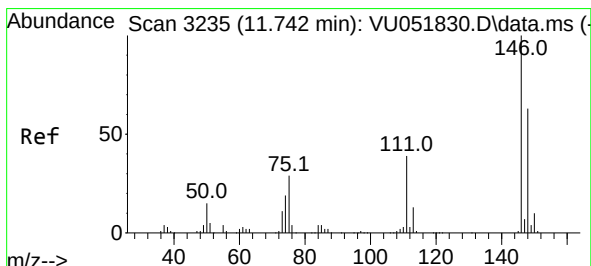
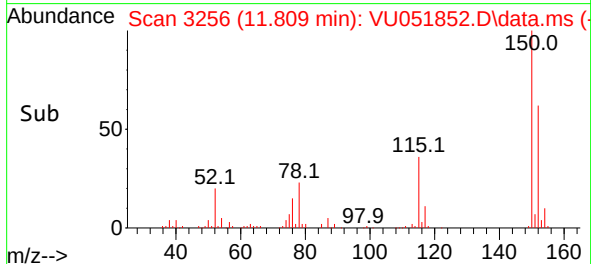
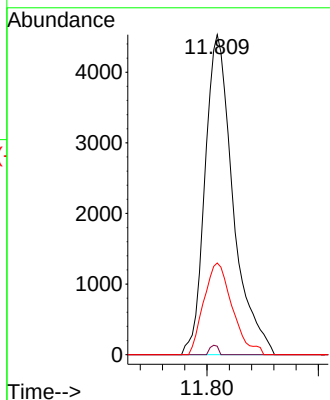
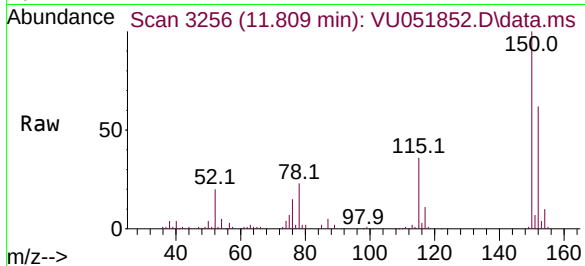




#61
1,2,3-Trichloropropane
Concen: 0.974 ug/L
RT: 11.809 min Scan# 31
Delta R.T. 0.987 min
Lab File: VU051852.D
Acq: 14 Nov 2022 22:34

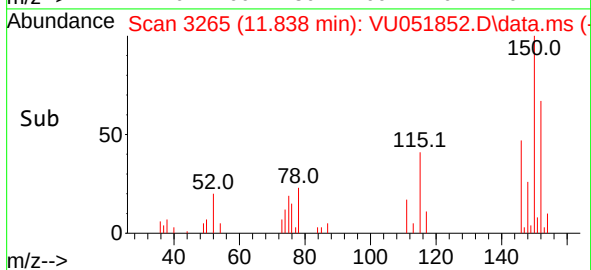
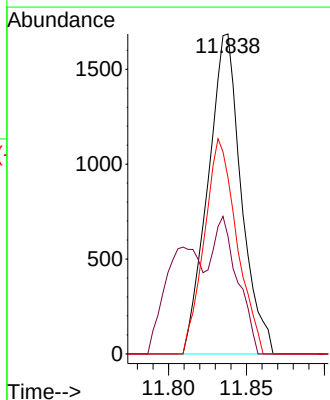
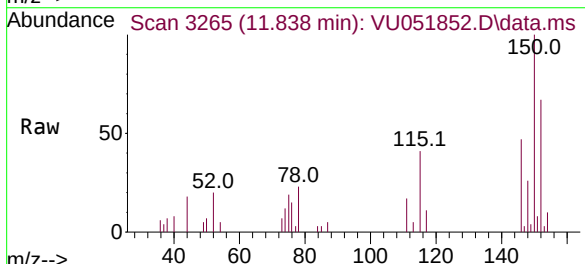
Instrument :
MSVOA_U
ClientSampleId :

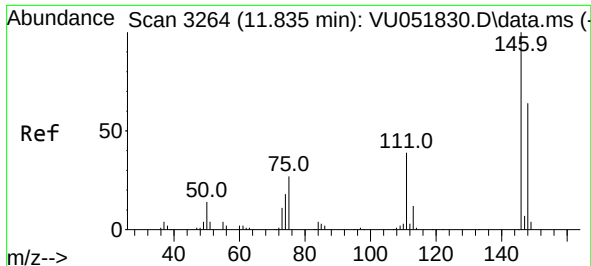
Tgt Ion: 75 Resp: 7917
Ion Ratio Lower Upper
75 100
110 0.9 28.7 43.1#
77 29.1 26.1 39.1



#64
1,3-Dichlorobenzene
Concen: 0.110 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.097 min
Lab File: VU051852.D
Acq: 14 Nov 2022 22:34

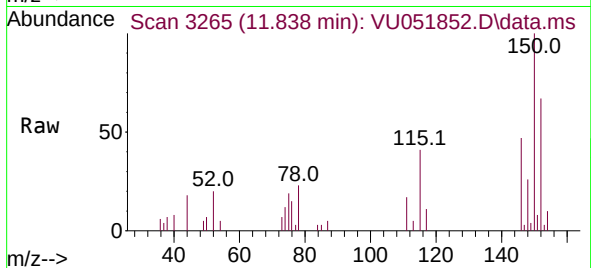
Tgt Ion: 146 Resp: 2507
Ion Ratio Lower Upper
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111 36.8 28.6 53.2
148 55.2 44.7 82.9



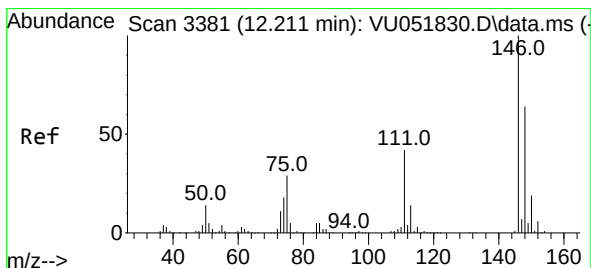
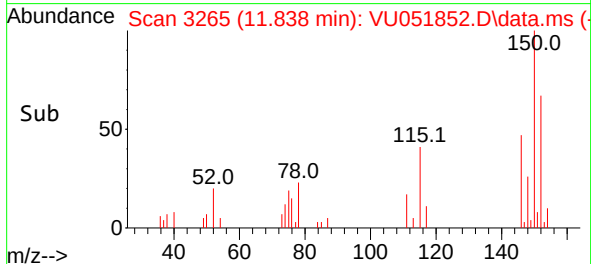
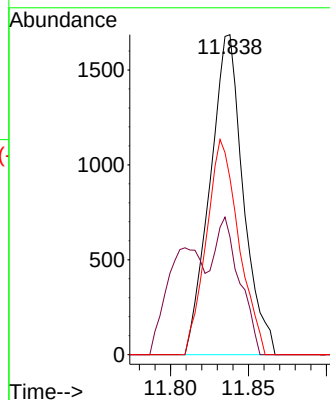


#65
1,4-Dichlorobenzene
Concen: 0.109 ug/L
RT: 11.838 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051852.D
Acq: 14 Nov 2022 22:34

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:146 Resp: 2507
Ion Ratio Lower Upper
146 100
111 36.8 26.7 49.5
148 55.2 43.5 80.9



#67
1,2-Dichlorobenzene
Concen: 0.166 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VU051852.D
Acq: 14 Nov 2022 22:34

Tgt Ion:146 Resp: 3689
Ion Ratio Lower Upper
146 100
111 42.3 34.2 51.2
148 47.9 50.1 75.1#

