

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111422\
 Data File : VU051836.D
 Acq On : 14 Nov 2022 15:53
 Operator : JC/MD
 Sample : N5593-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 03:03:57 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)

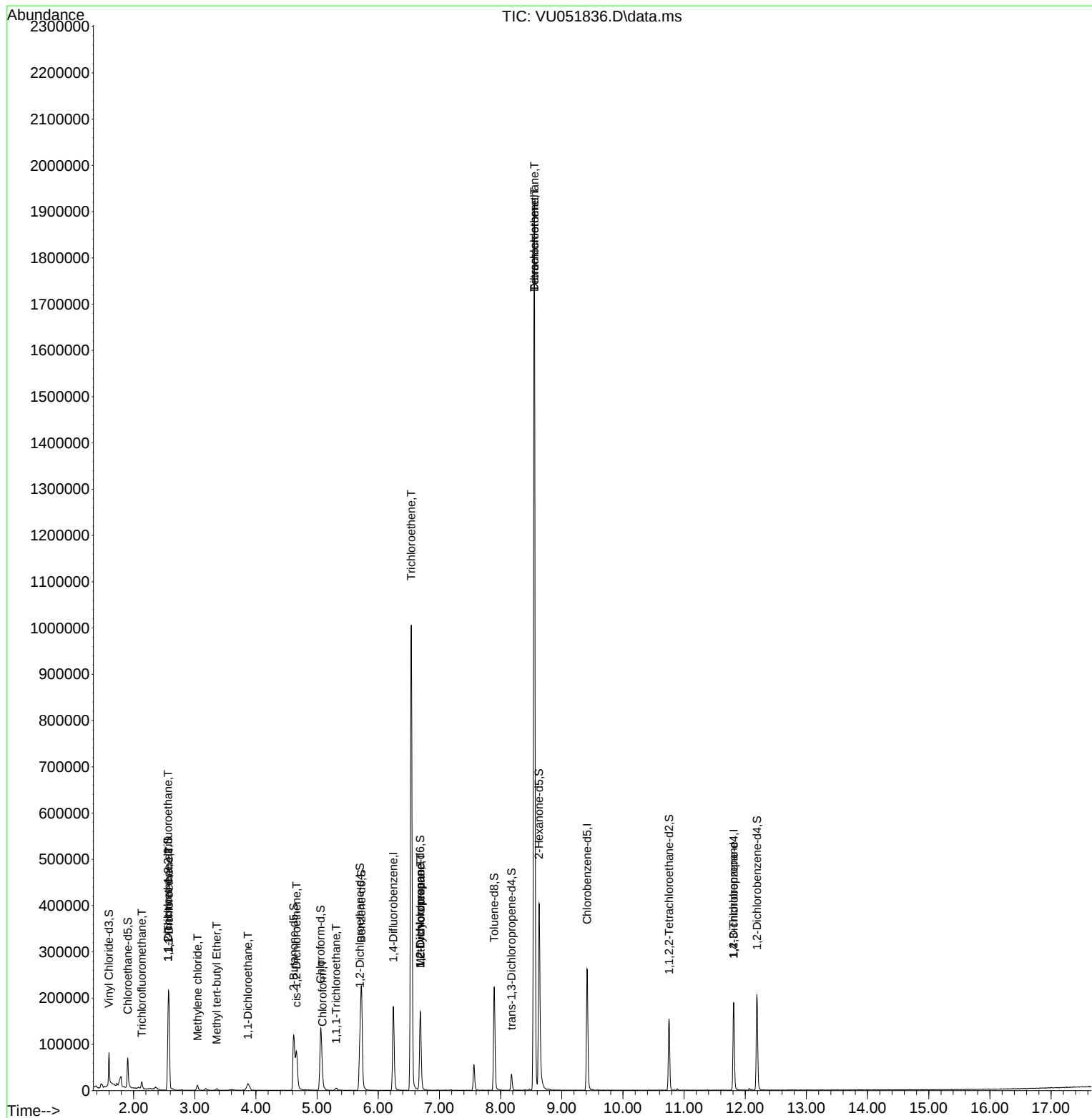
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	150375	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	153668	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	54532	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	47880	4.228	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.600%
7) Chloroethane-d5	1.903	69	51063	4.323	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.400%
11) 1,1-Dichloroethene-d2	2.565	65	19033	4.631	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.600%
20) 2-Butanone-d5	4.616	46	170258	41.510	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.020%
24) Chloroform-d	5.060	84	126235	4.763	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.700	65	68630	4.794	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.726	84	220215	4.541	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	6.687	67	84964	5.011	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.200%
41) Toluene-d8	7.896	98	159944	4.194	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	8.179	79	19799	3.819	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.400%
46) 2-Hexanone-d5	8.629	63	131856	42.246	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.500%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	78840	5.074	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	58886	5.883	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.600%
Target Compounds						
9) Trichlorofluoromethane	2.134	101	9288	0.426	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	754	0.059	ug/L #	19
12) 1,1-Dichloroethene	2.578	96	57257	4.380	ug/L	98
16) Methylene chloride	3.047	84	5735	0.268	ug/L	98
17) Methyl tert-butyl Ether	3.359	73	3000	0.100	ug/L #	85
19) 1,1-Dichloroethane	3.870	63	7425	0.287	ug/L	92
22) cis-1,2-Dichloroethene	4.665	96	40551	2.612	ug/L	97
25) Chloroform	5.089	83	16276	0.606	ug/L	97
29) 1,1,1-Trichloroethane	5.311	97	3500	0.168	ug/L	96
34) Trichloroethene	6.539	95	353815	24.177	ug/L	99
35) Methylcyclohexane	6.690	83	18929	0.935	ug/L #	19
37) 1,2-Dichloropropane	6.690	63	8641	0.554	ug/L #	88
47) Tetrachloroethene	8.552	164	433378	38.666	ug/L	96
49) Dibromochloromethane	8.552	129	414543	31.748	ug/L #	10
61) 1,2,3-Trichloropropane	11.809	75	6528	0.926	ug/L #	64

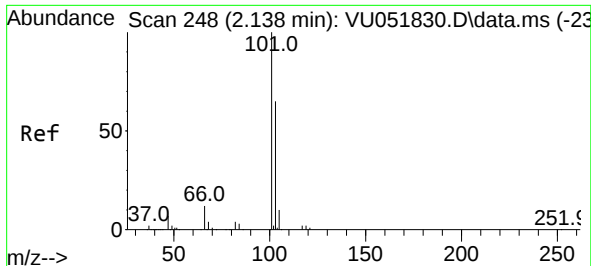
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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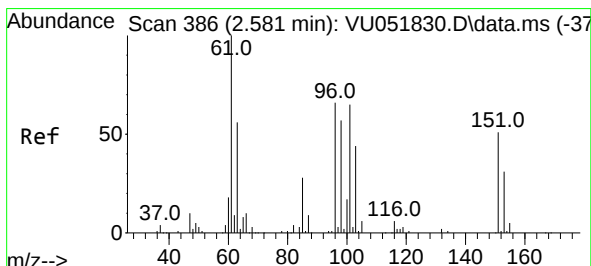
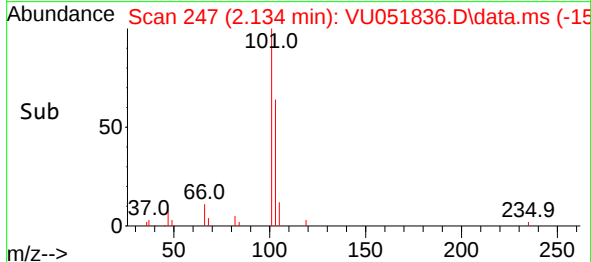
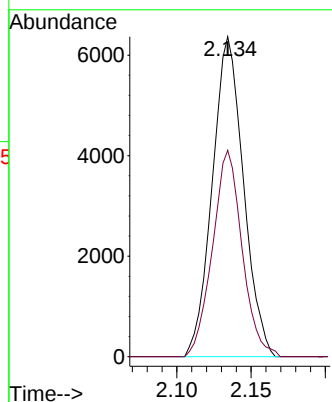
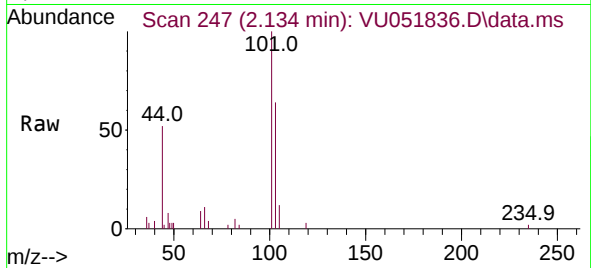




#9
 Trichlorofluoromethane
 Concen: 0.426 ug/L
 RT: 2.134 min Scan# 248
 Delta R.T. -0.003 min
 Lab File: VU051836.D
 Acq: 14 Nov 2022 15:53

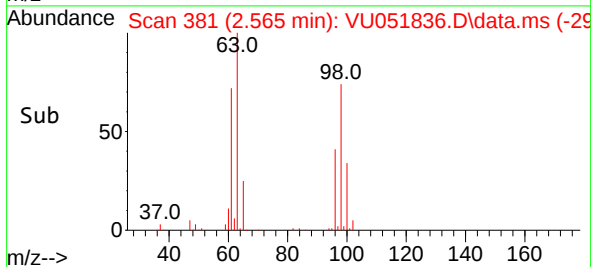
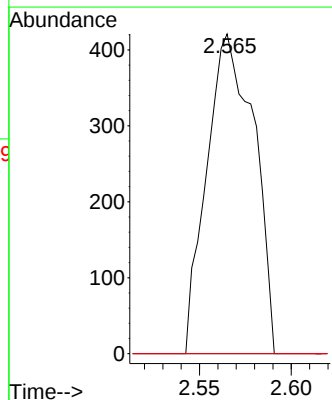
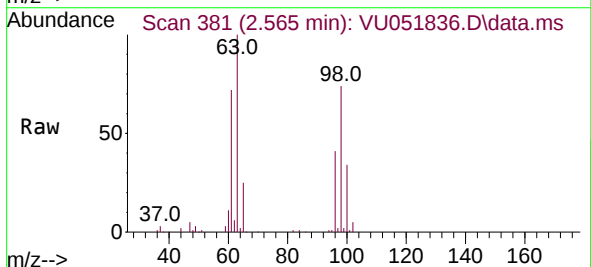
Instrument :
 MSVOA_U
 ClientSampleId :

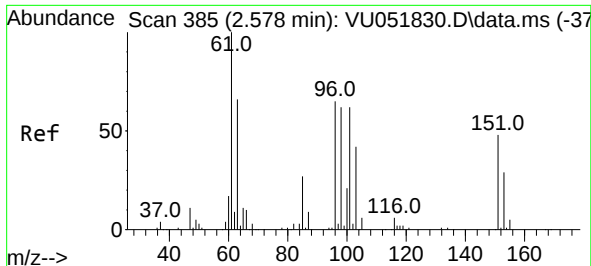
Tgt Ion:101 Resp: 9288
 Ion Ratio Lower Upper
 101 100
 103 61.3 51.8 77.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.059 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.016 min
 Lab File: VU051836.D
 Acq: 14 Nov 2022 15:53

Tgt Ion:101 Resp: 754
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.6 53.4#
 151 0.0 59.6 89.4#

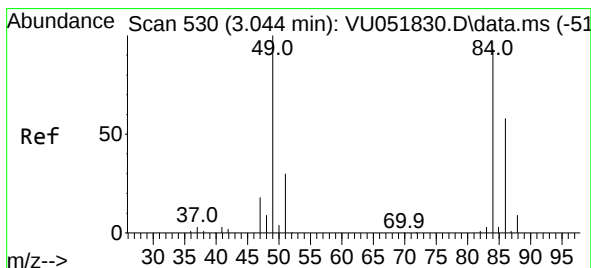
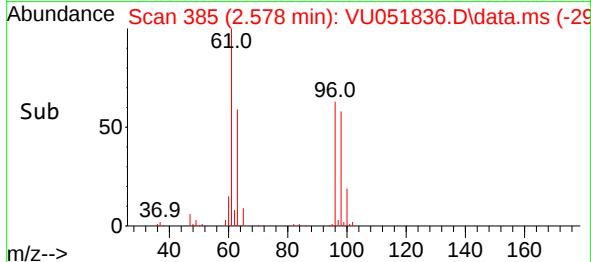
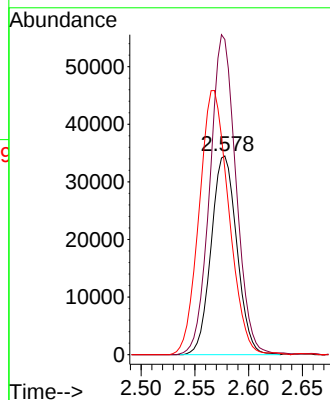
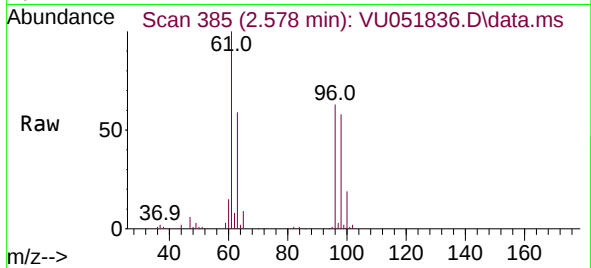




#12
1,1-Dichloroethene
Concen: 4.380 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU051836.D
Acq: 14 Nov 2022 15:53

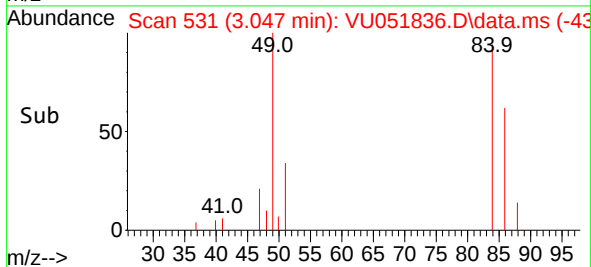
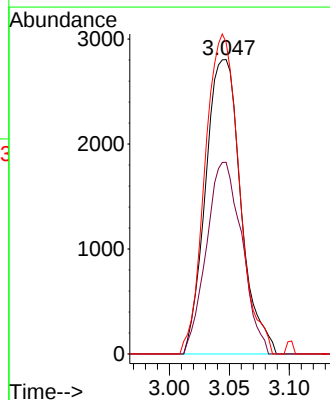
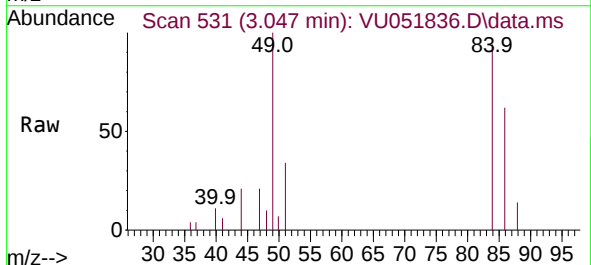
Instrument :
MSVOA_U
ClientSampleId :

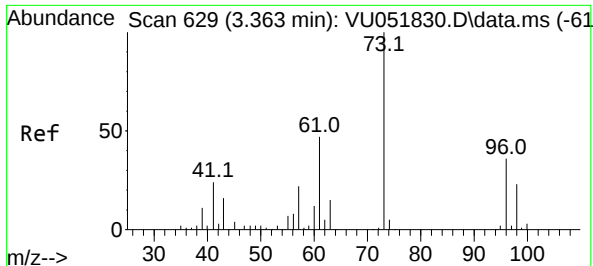
Tgt Ion: 96 Resp: 57257
Ion Ratio Lower Upper
96 100
61 158.7 108.8 202.0
63 93.4 64.9 120.5



#16
Methylene chloride
Concen: 0.268 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU051836.D
Acq: 14 Nov 2022 15:53

Tgt Ion: 84 Resp: 5735
Ion Ratio Lower Upper
84 100
86 65.1 46.3 85.9
49 105.8 76.0 141.2





#17

Methyl tert-butyl Ether

Concen: 0.100 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU051836.D

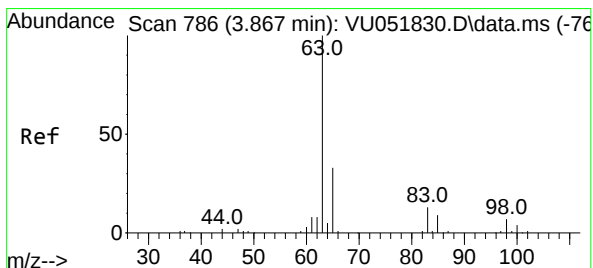
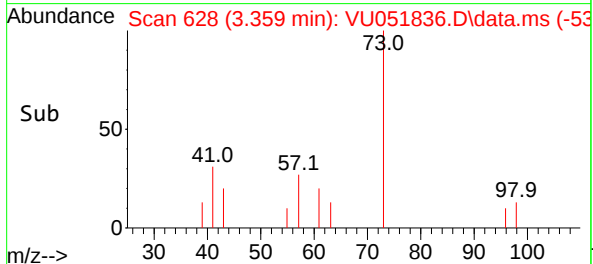
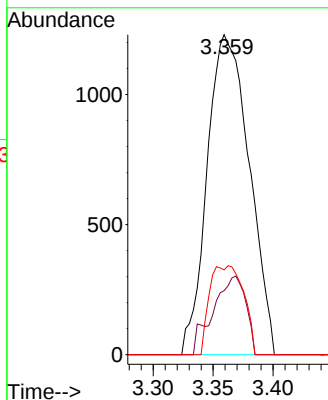
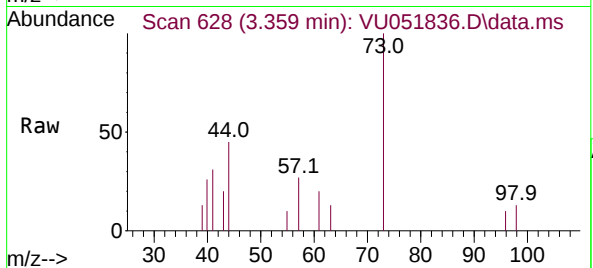
Acq: 14 Nov 2022 15:53

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 73	Resp:	3000
Ion	Ratio	Lower Upper
73	100	
43	19.0	13.6 20.4
57	10.6	17.5 26.3#



#19

1,1-Dichloroethane

Concen: 0.287 ug/L

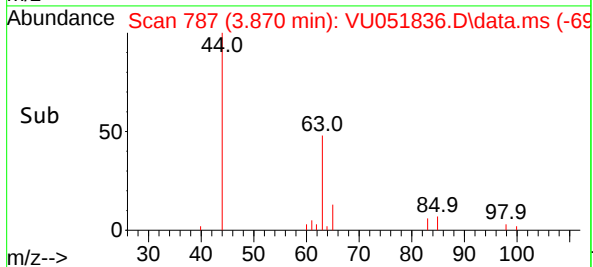
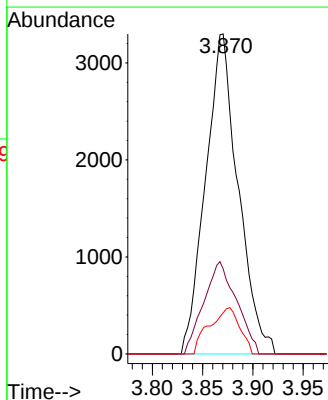
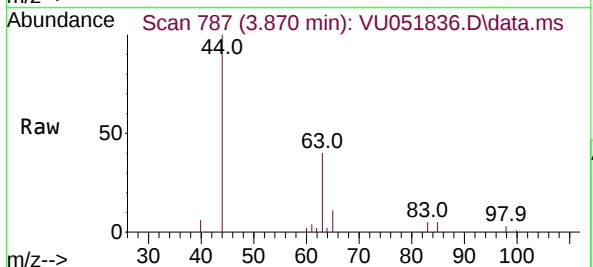
RT: 3.870 min Scan# 787

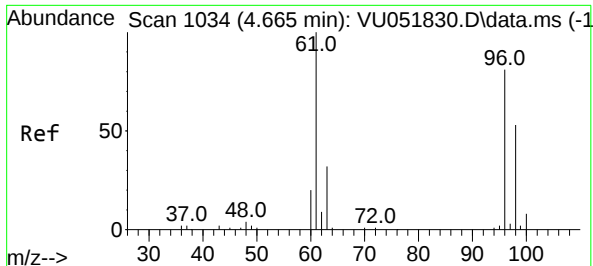
Delta R.T. 0.003 min

Lab File: VU051836.D

Acq: 14 Nov 2022 15:53

Tgt Ion: 63	Resp:	7425
Ion	Ratio	Lower Upper
63	100	
65	26.6	22.7 42.1
83	12.8	9.2 17.0





#22

cis-1,2-Dichloroethene

Concen: 2.612 ug/L

RT: 4.665 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VU051836.D

Acq: 14 Nov 2022 15:53

Instrument :

MSVOA_U

ClientSampleId :

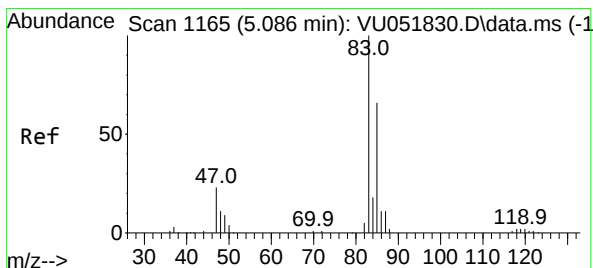
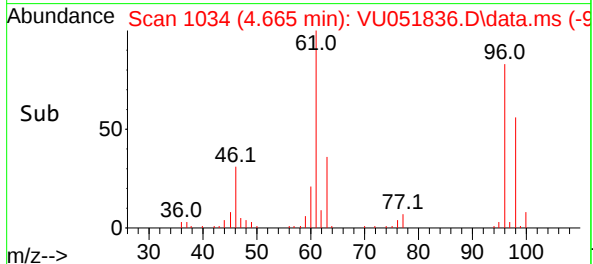
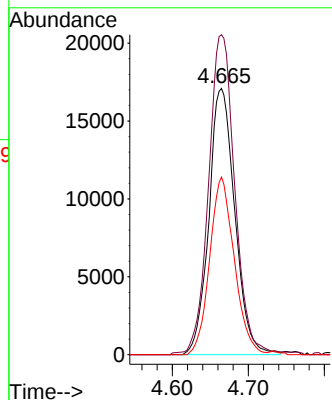
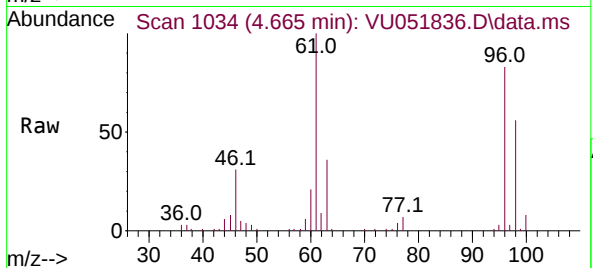
Tgt Ion: 96 Resp: 40551

Ion Ratio Lower Upper

96 100

61 120.2 86.4 160.4

98 66.7 44.2 82.2



#25

Chloroform

Concen: 0.606 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU051836.D

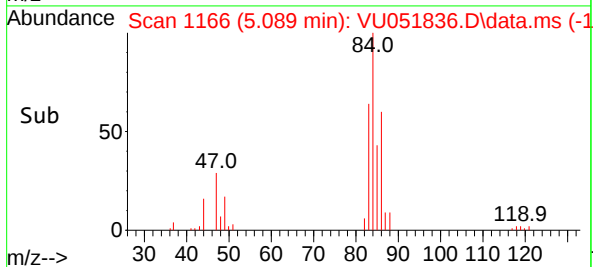
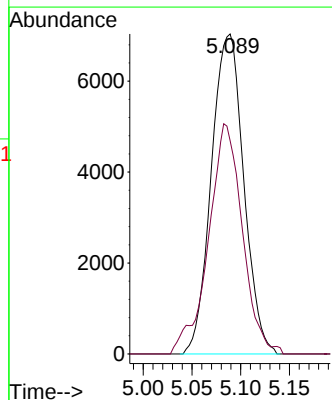
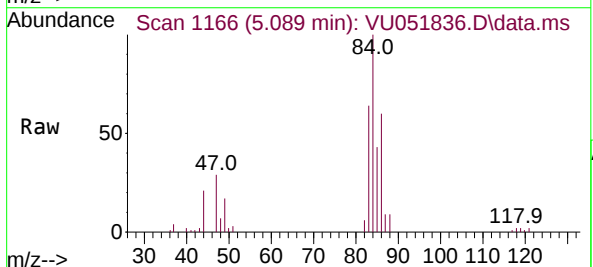
Acq: 14 Nov 2022 15:53

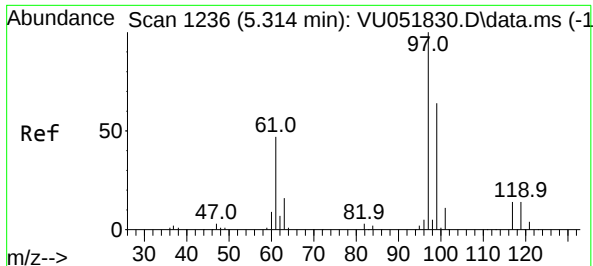
Tgt Ion: 83 Resp: 16276

Ion Ratio Lower Upper

83 100

85 66.6 45.2 84.0





#29

1,1,1-Trichloroethane

Concen: 0.168 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU051836.D

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Instrument :

MSVOA_U

ClientSampleId :

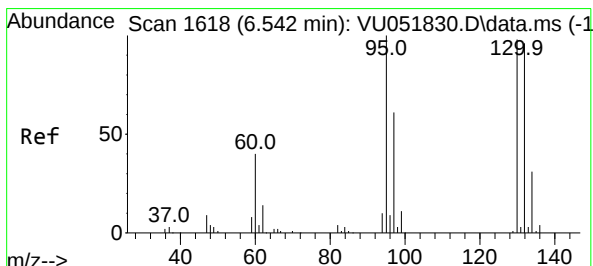
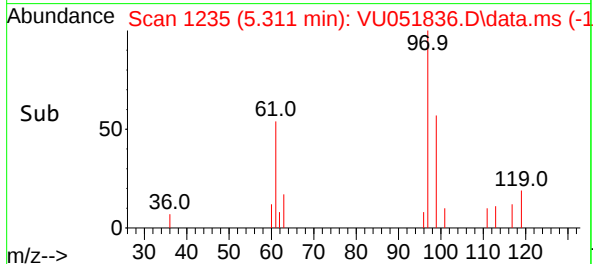
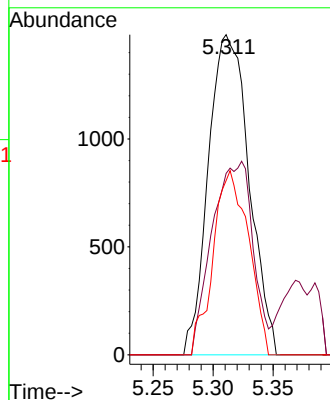
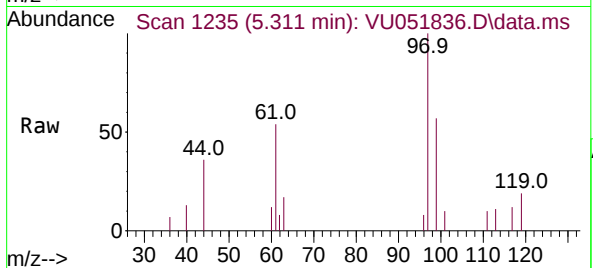
Tgt Ion: 97 Resp: 3500

Ion Ratio Lower Upper

97 100

99 60.9 51.1 76.7

61 50.1 37.4 56.0



#34

Trichloroethene

Concen: 24.177 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.003 min

Lab File: VU051836.D

Acq: 14 Nov 2022 15:53

Tgt Ion: 95 Resp: 353815

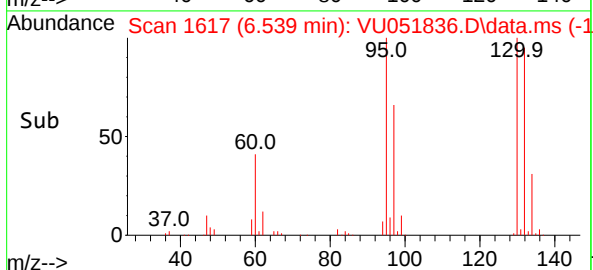
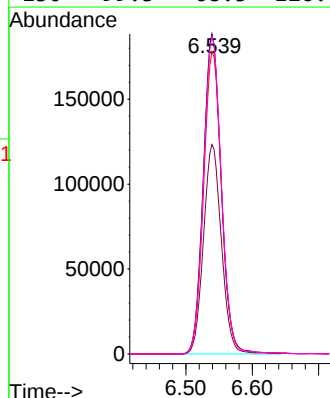
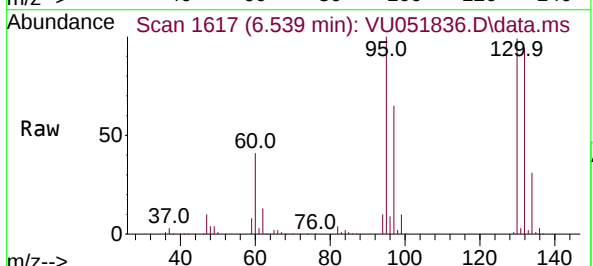
Ion Ratio Lower Upper

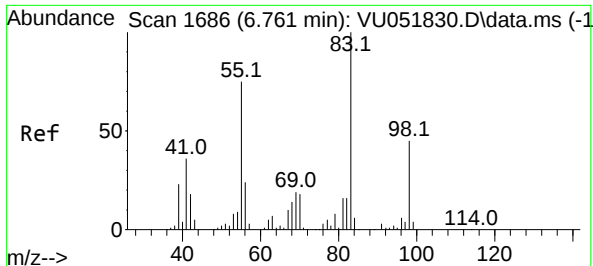
95 100

97 65.5 45.2 84.0

132 94.5 66.5 123.5

130 99.3 68.3 126.8





#35

Methylcyclohexane

Concen: 0.935 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU051836.D

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Instrument :

MSVOA_U

ClientSampleId :

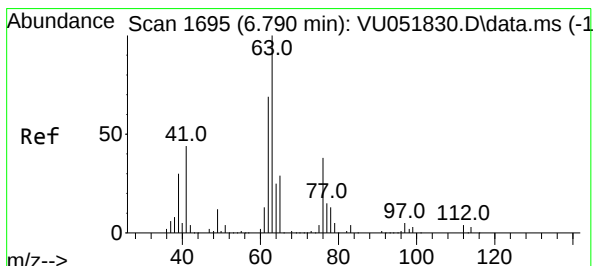
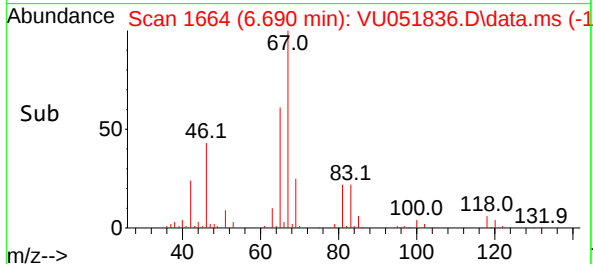
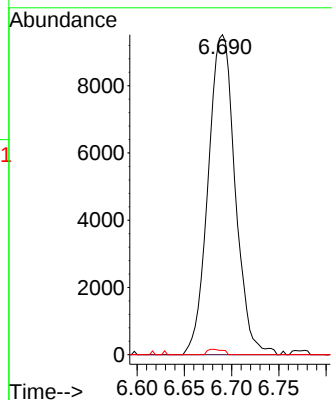
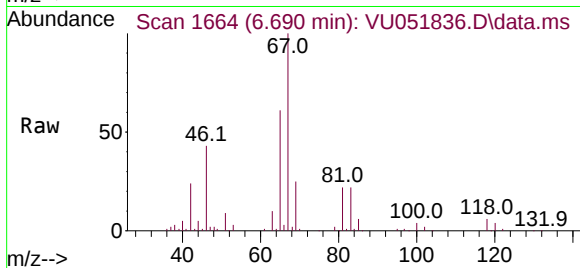
Tgt Ion: 83 Resp: 18929

Ion Ratio Lower Upper

83 100

55 0.0 60.6 90.8#

98 0.0 35.8 53.6#



#37

1,2-Dichloropropane

Concen: 0.554 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.100 min

Lab File: VU051836.D

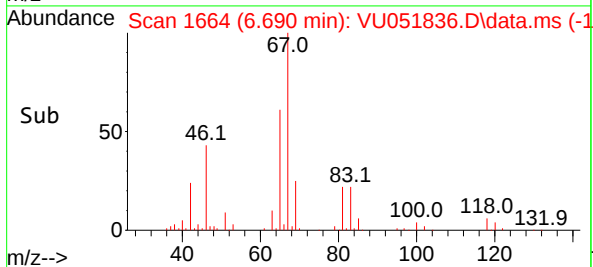
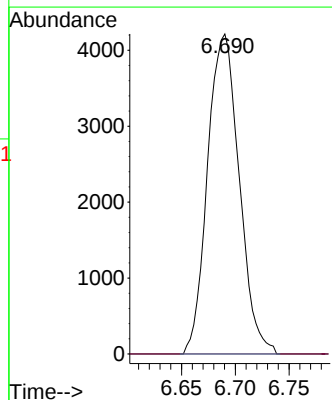
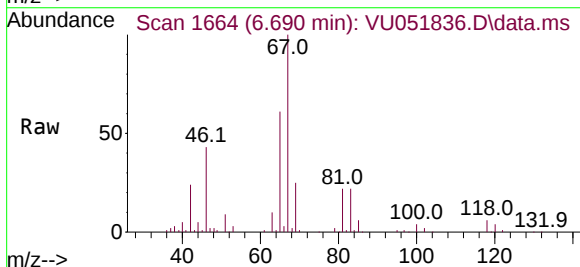
Acq: 14 Nov 2022 15:53

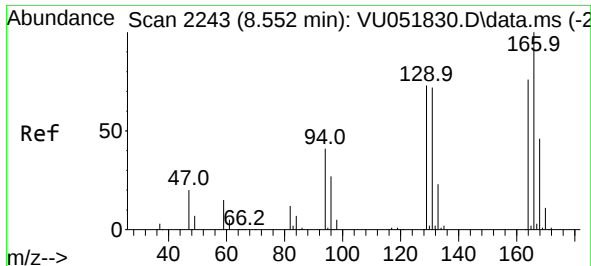
Tgt Ion: 63 Resp: 8641

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#





#47

Tetrachloroethene

Concen: 38.666 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU051836.D

Acq: 14 Nov 2022 15:53

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 433378

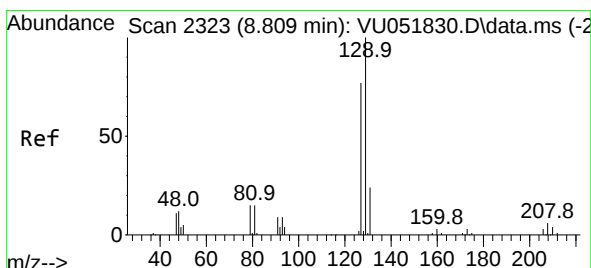
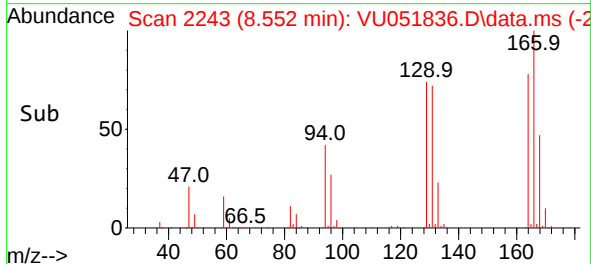
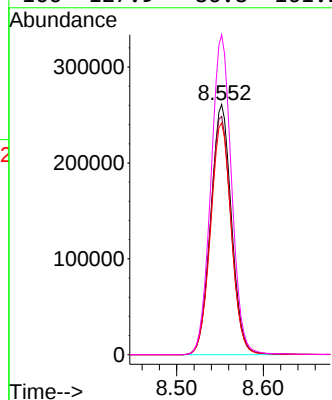
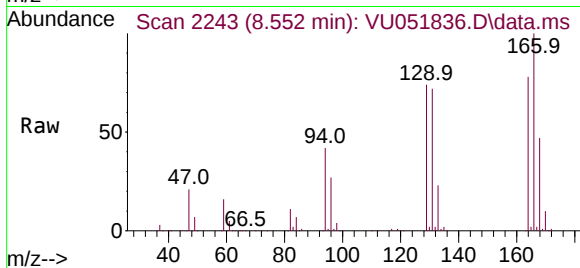
Ion Ratio Lower Upper

164 100

129 95.2 64.0 118.8

131 92.6 60.7 112.7

166 127.9 86.8 161.2



#49

Dibromochloromethane

Concen: 31.748 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.257 min

Lab File: VU051836.D

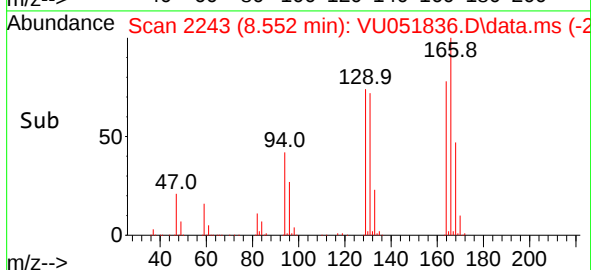
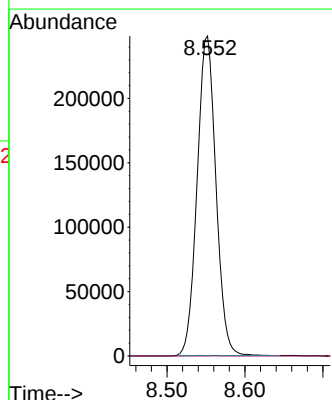
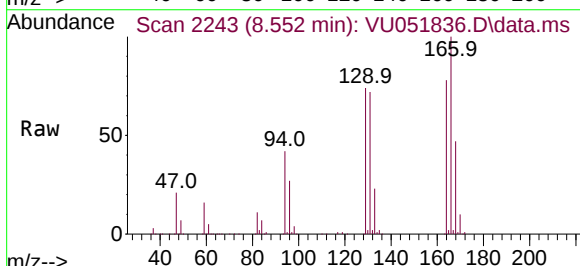
Acq: 14 Nov 2022 15:53

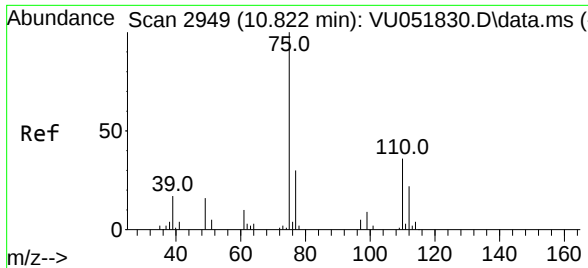
Tgt Ion:129 Resp: 414543

Ion Ratio Lower Upper

129 100

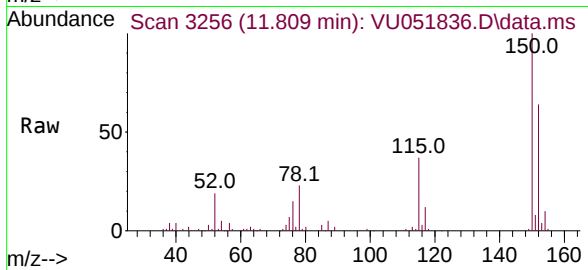
127 0.0 54.8 101.8#





#61
 1,2,3-Trichloropropane
 Concen: 0.926 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU051836.D
 Acq: 14 Nov 2022 15:53

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 6528
 Ion Ratio Lower Upper
 75 100
 110 0.3 28.7 43.1#
 77 27.1 26.1 39.1

