

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011222\
 Data File : VU046736.D
 Acq On : 12 Jan 2022 12:40
 Operator : SY/MD
 Sample : N1101-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXW6

Quant Time: Jan 12 13:01:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jan 10 00:25:50 2022
 Response via : Initial Calibration

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

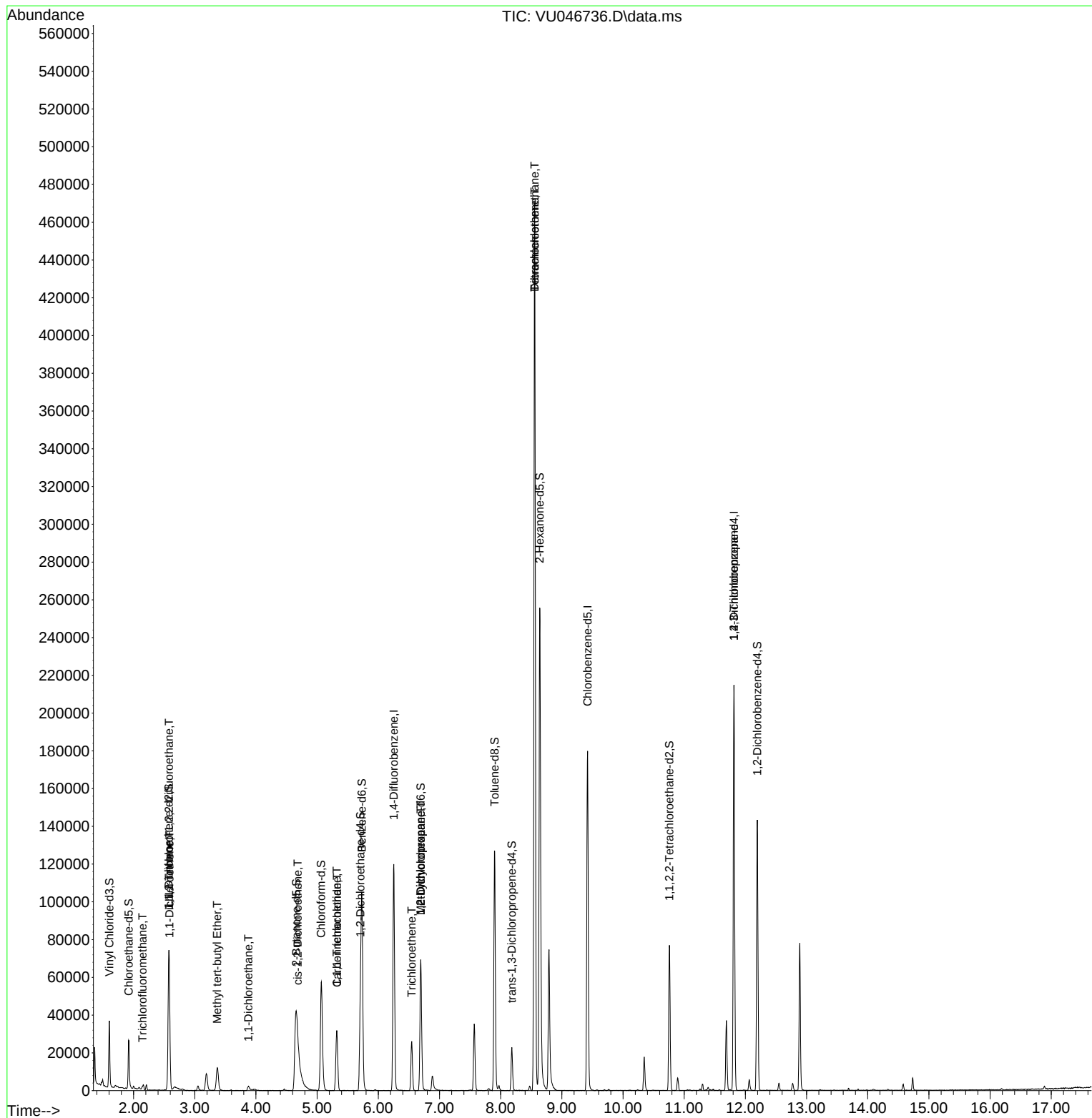
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	100478	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	105499	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	58584	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	21766	2.750	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.000%
7) Chloroethane-d5	1.919	69	20433	3.279	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.600%
11) 1,1-Dichloroethene-d2	2.575	65	10060	3.014	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.200%
20) 2-Butanone-d5	4.658	46	111026	48.363	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.720%
24) Chloroform-d	5.067	84	53442	3.685	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.800%
26) 1,2-Dichloroethane-d4	5.707	65	32076	3.869	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
32) Benzene-d6	5.732	84	100666	3.423	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.400%#
36) 1,2-Dichloropropane-d6	6.694	67	32741	3.705	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.000%
41) Toluene-d8	7.899	98	84752	3.175	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.600%#
43) trans-1,3-Dichloroprop...	8.182	79	13729	3.359	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.200%
46) 2-Hexanone-d5	8.639	63	105850	44.111	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.220%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	37485	4.133	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	38979	3.612	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	72.200%#
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.144	101	1019	0.060	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	375	0.043	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	12710	1.438	ug/L	90
17) Methyl tert-butyl Ether	3.366	73	15090	0.585	ug/L	99
19) 1,1-Dichloroethane	3.877	63	2885	0.166	ug/L	98
22) cis-1,2-Dichloroethene	4.681	96	1247	0.121	ug/L #	82
29) 1,1,1-Trichloroethane	5.321	97	23423	1.343	ug/L	99
31) Carbon tetrachloride	5.324	117	2820	0.193	ug/L	91
34) Trichloroethene	6.546	95	9305	0.842	ug/L	95
35) Methylcyclohexane	6.694	83	8159	0.524	ug/L #	23
37) 1,2-Dichloropropane	6.694	63	3581	0.335	ug/L #	88
47) Tetrachloroethene	8.555	164	103544	13.242	ug/L	96
49) Dibromochloromethane	8.555	129	99239	9.330	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	6816	0.701	ug/L #	66

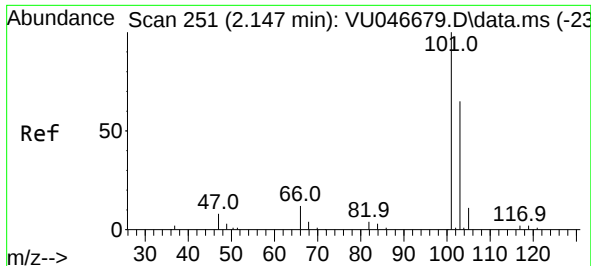
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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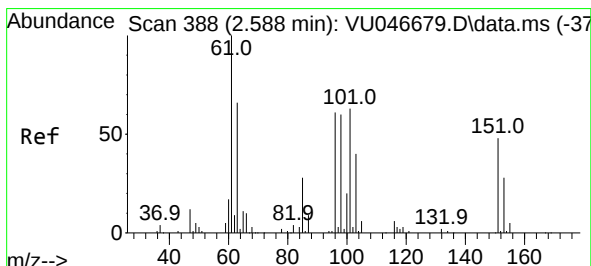
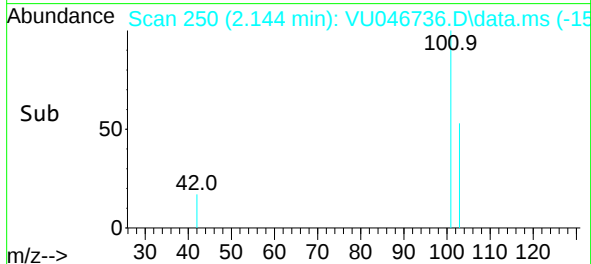
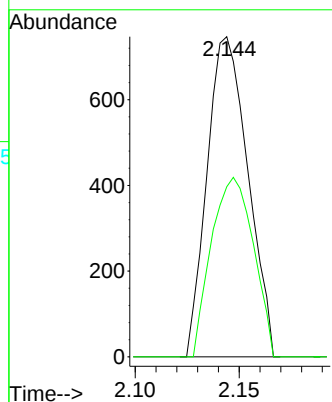
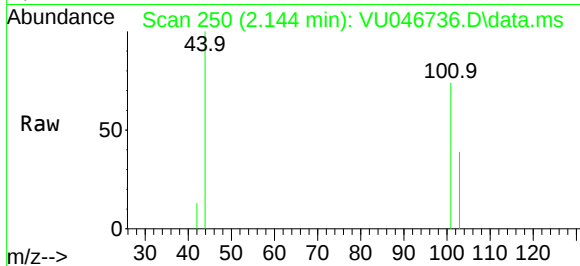




#9
 Trichlorofluoromethane
 Concen: 0.060 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: VU046736.D
 Acq: 12 Jan 2022 12:40

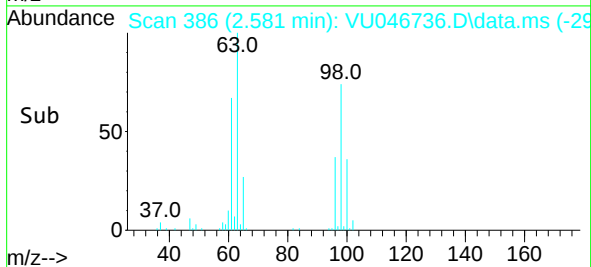
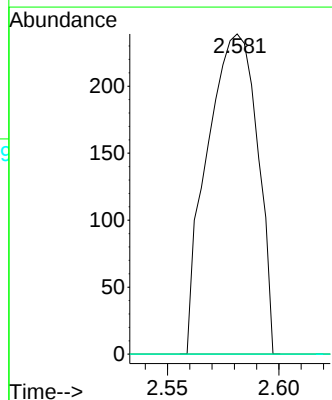
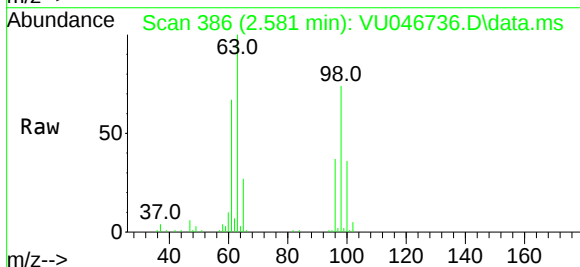
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXW6

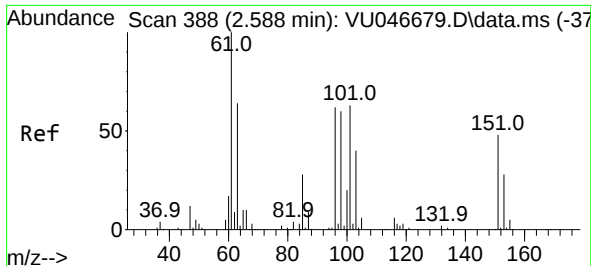
Tgt Ion:101 Resp: 1019
 Ion Ratio Lower Upper
 101 100
 103 57.7 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.043 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU046736.D
 Acq: 12 Jan 2022 12:40

Tgt Ion:101 Resp: 375
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 1.438 ug/L

RT: 2.588 min Scan# 31

Delta R.T. 0.010 min

Lab File: VU046736.D

Acq: 12 Jan 2022 12:40

Instrument :

MSVOA_U

ClientSampleId :

BFXW6

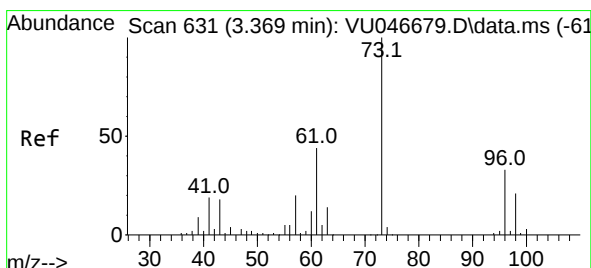
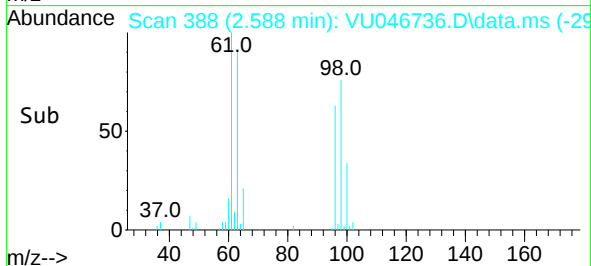
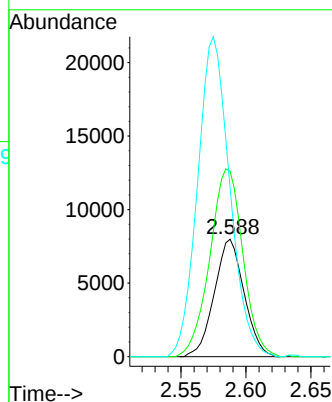
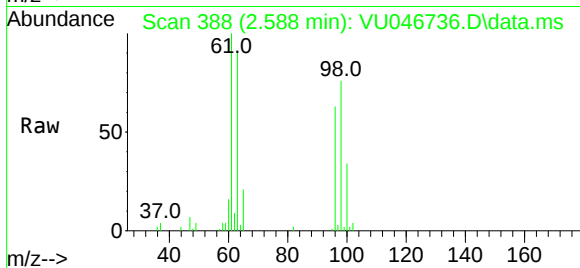
Tgt Ion: 96 Resp: 12710

Ion Ratio Lower Upper

96 100

61 157.8 124.7 231.5

63 143.4 105.2 195.4



#17

Methyl tert-butyl Ether

Concen: 0.585 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.007 min

Lab File: VU046736.D

Acq: 12 Jan 2022 12:40

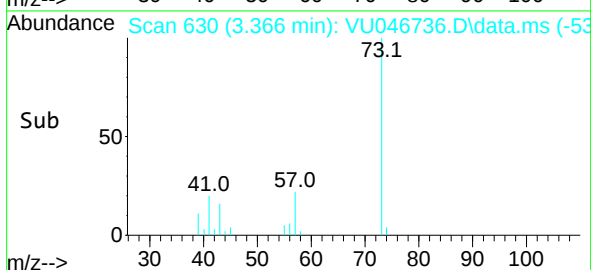
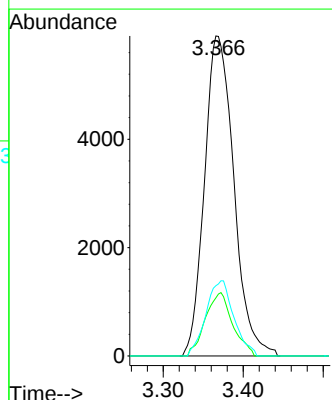
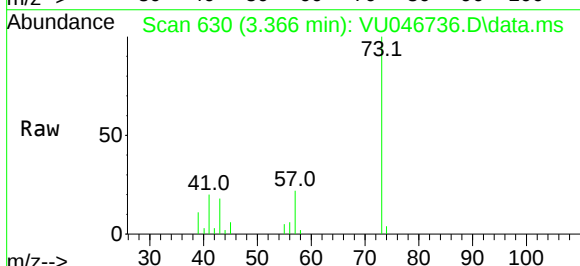
Tgt Ion: 73 Resp: 15090

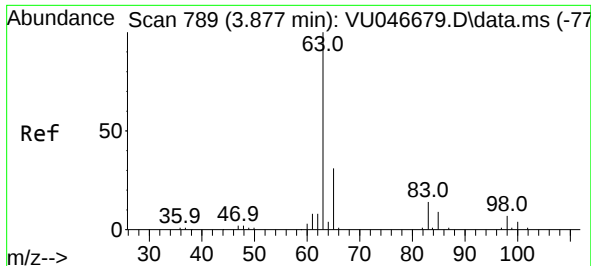
Ion Ratio Lower Upper

73 100

43 18.4 14.8 22.2

57 22.3 17.4 26.0

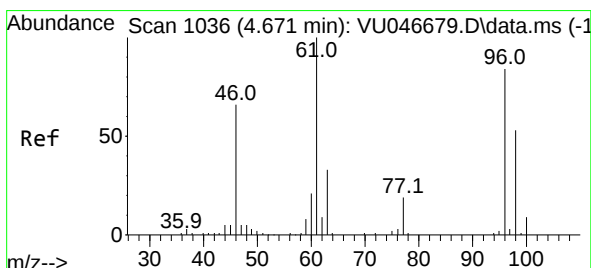
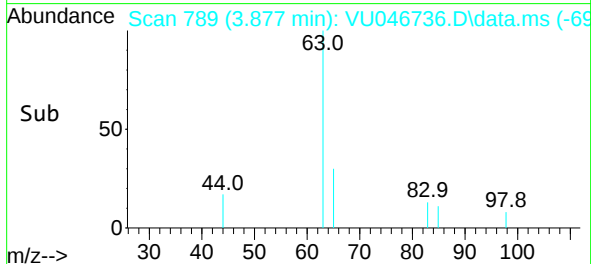
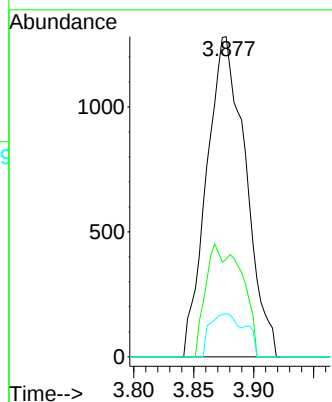
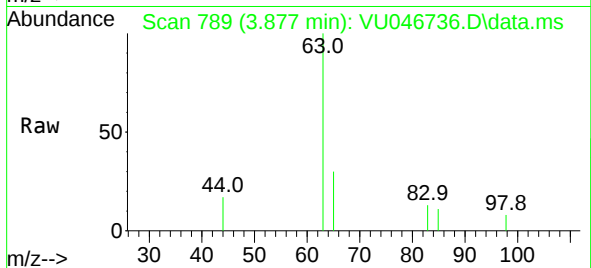




#19
1,1-Dichloroethane
Concen: 0.166 ug/L
RT: 3.877 min Scan# 71
Delta R.T. 0.010 min
Lab File: VU046736.D
Acq: 12 Jan 2022 12:40

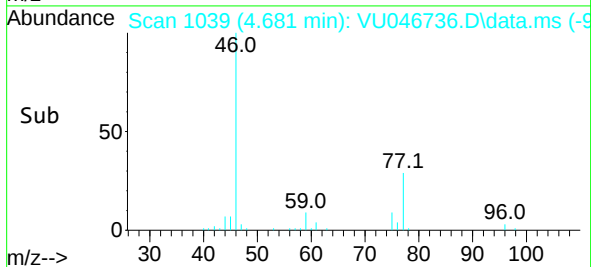
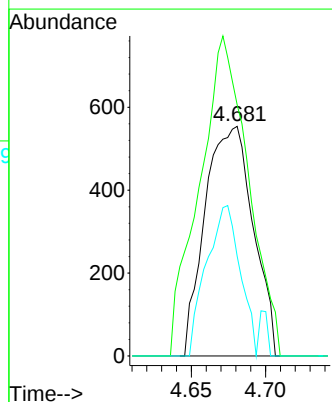
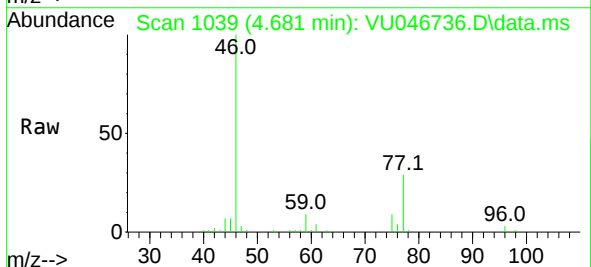
Instrument :
MSVOA_U
ClientSampleId :
BFXW6

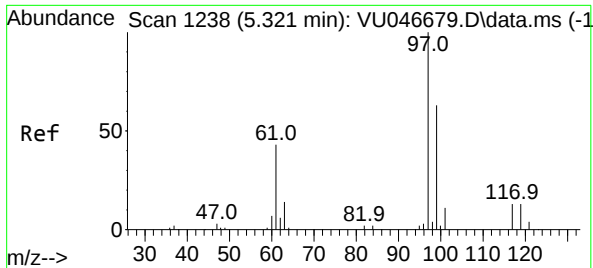
Tgt Ion: 63 Resp: 2885
Ion Ratio Lower Upper
63 100
65 30.4 22.3 41.5
83 13.4 9.6 17.8



#22
cis-1,2-Dichloroethene
Concen: 0.121 ug/L
RT: 4.681 min Scan# 1039
Delta R.T. 0.016 min
Lab File: VU046736.D
Acq: 12 Jan 2022 12:40

Tgt Ion: 96 Resp: 1247
Ion Ratio Lower Upper
96 100
61 109.4 88.5 164.3
98 43.5 44.4 82.5#





#29

1,1,1-Trichloroethane

Concen: 1.343 ug/L

RT: 5.321 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU046736.D

Acq: 12 Jan 2022 12:40

Instrument :

MSVOA_U

ClientSampleId :

BFXW6

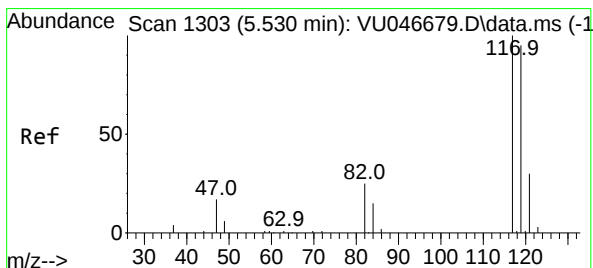
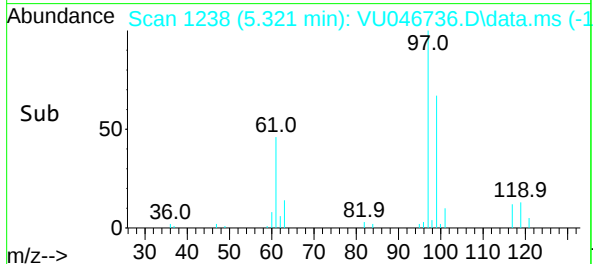
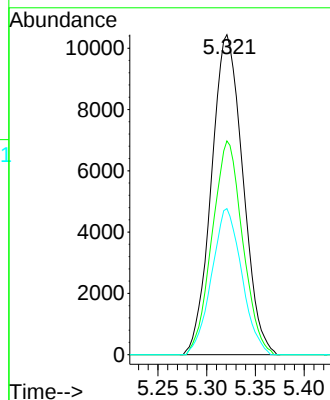
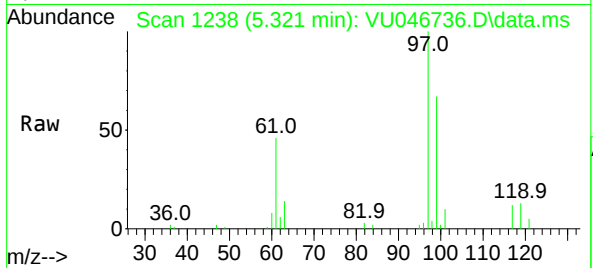
Tgt Ion: 97 Resp: 23423

Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

61 43.8 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.193 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.202 min

Lab File: VU046736.D

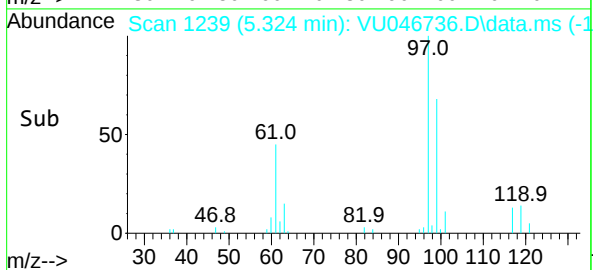
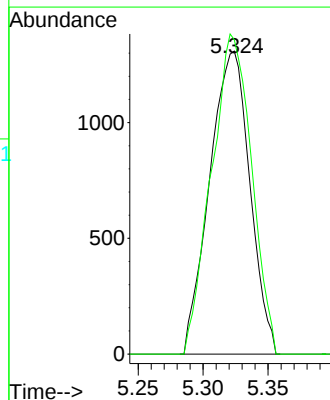
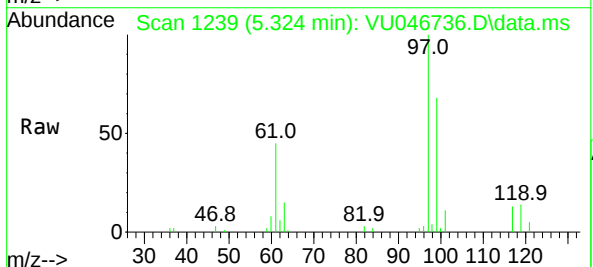
Acq: 12 Jan 2022 12:40

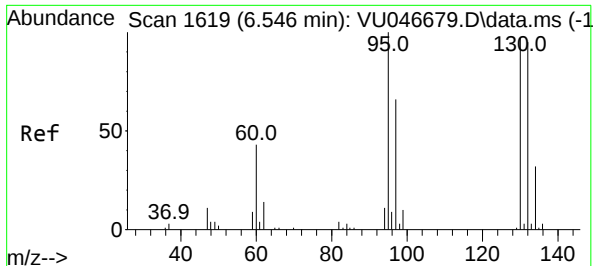
Tgt Ion: 117 Resp: 2820

Ion Ratio Lower Upper

117 100

119 105.6 77.5 116.3



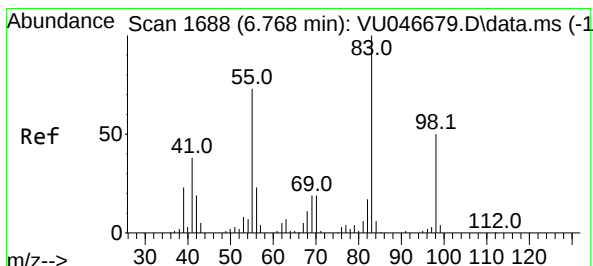
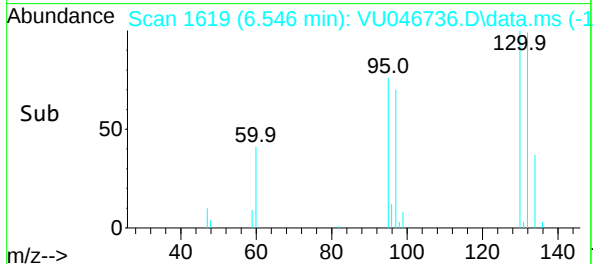
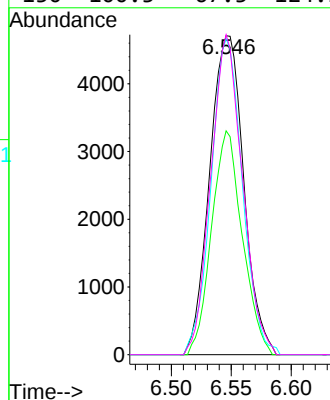
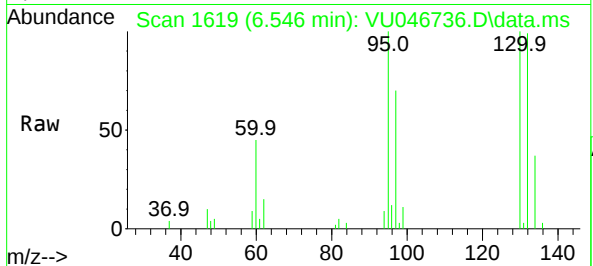


#34
Trichloroethene
Concen: 0.842 ug/L
RT: 6.546 min Scan# 1665
Delta R.T. 0.003 min
Lab File: VU046736.D
Acq: 12 Jan 2022 12:40

Instrument :
MSVOA_U
ClientSampleId :
BFXW6

Tgt Ion: 95 Resp: 9305

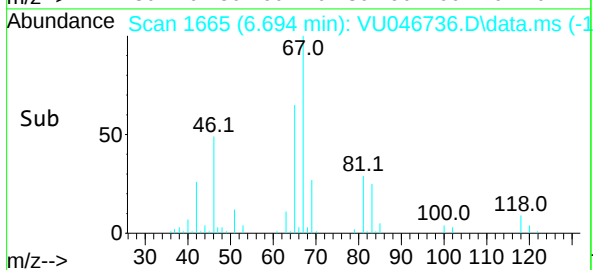
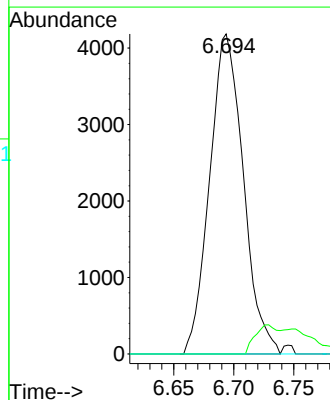
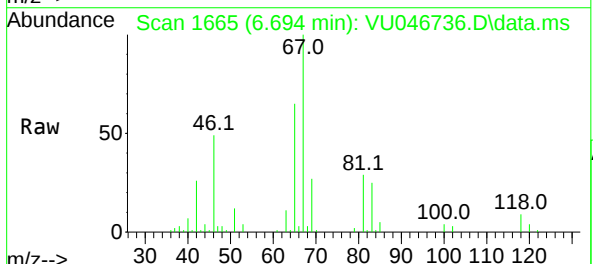
Ion	Ratio	Lower	Upper
95	100		
97	70.2	46.5	86.5
132	99.1	65.1	120.9
130	100.3	67.3	124.9

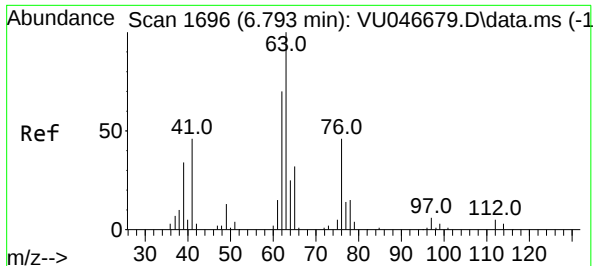


#35
Methylcyclohexane
Concen: 0.524 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.071 min
Lab File: VU046736.D
Acq: 12 Jan 2022 12:40

Tgt Ion: 83 Resp: 8159

Ion	Ratio	Lower	Upper
83	100		
55	6.3	61.9	92.9#
98	2.4	39.0	58.6#





#37

1,2-Dichloropropane

Concen: 0.335 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.096 min

Lab File: VU046736.D

Acq: 12 Jan 2022 12:40

Instrument :

MSVOA_U

ClientSampleId :

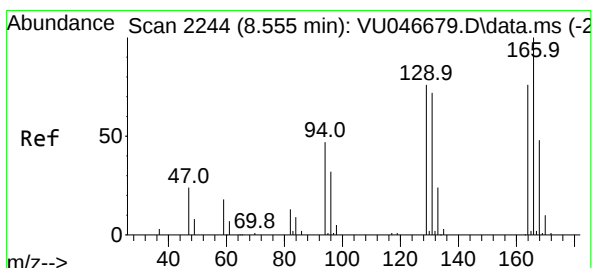
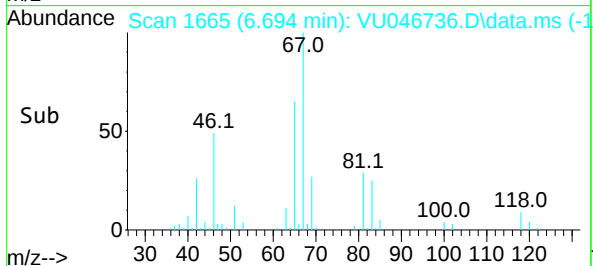
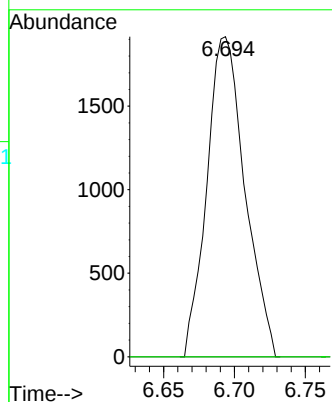
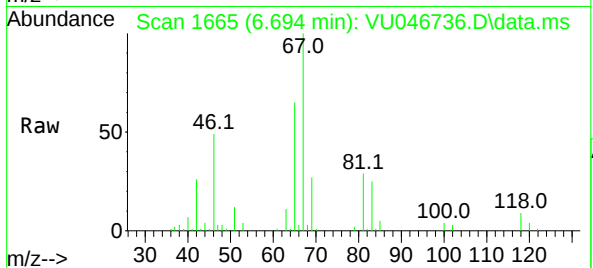
BFXW6

Tgt Ion: 63 Resp: 3581

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#47

Tetrachloroethene

Concen: 13.242 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU046736.D

Acq: 12 Jan 2022 12:40

Tgt Ion: 164 Resp: 103544

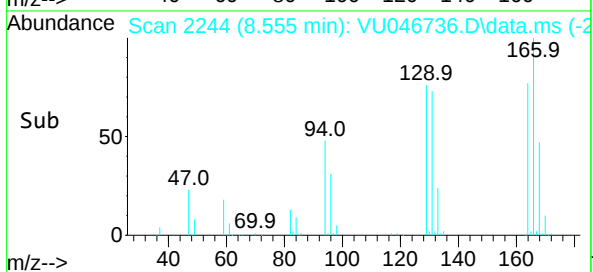
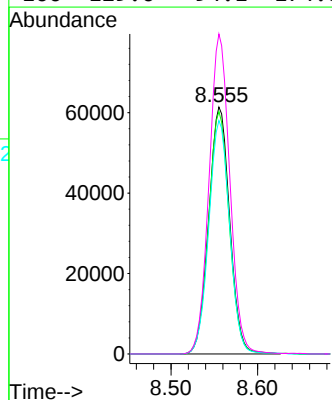
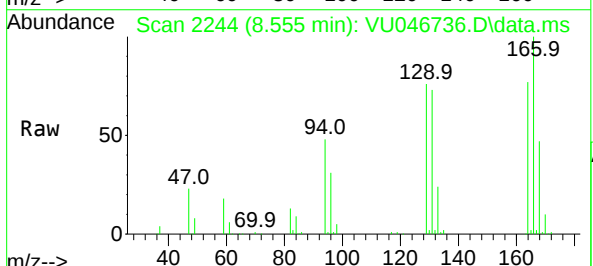
Ion Ratio Lower Upper

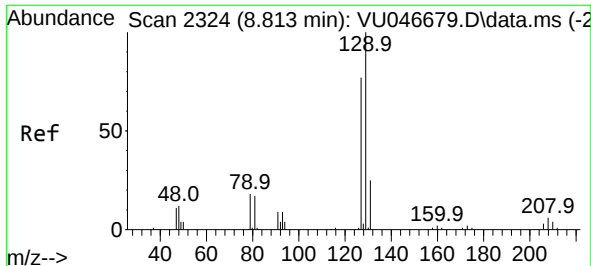
164 100

129 98.1 71.8 133.4

131 94.5 68.5 127.3

166 129.6 94.1 174.8





#49

Dibromochloromethane

Concen: 9.330 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046736.D

Acq: 12 Jan 2022 12:40

Instrument :

MSVOA_U

ClientSampleId :

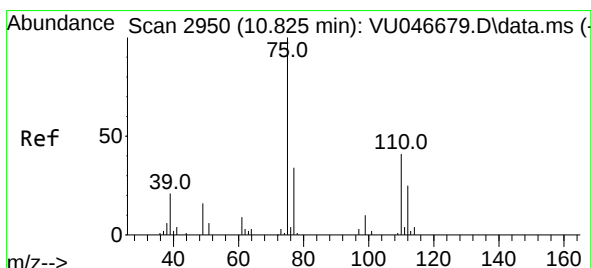
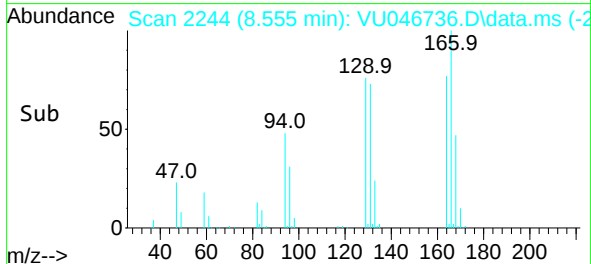
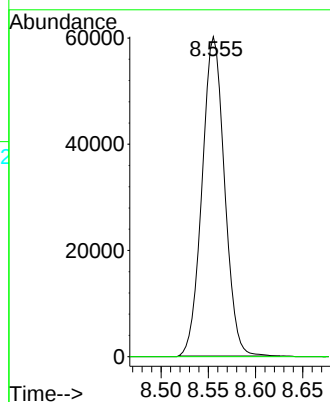
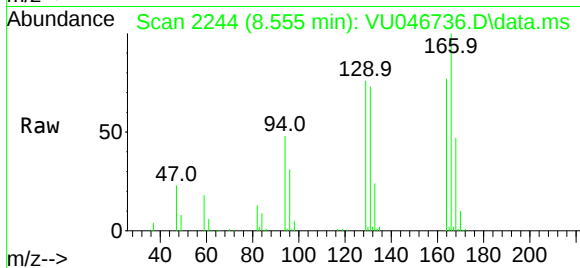
BFXW6

Tgt Ion:129 Resp: 99239

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 0.701 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046736.D

Acq: 12 Jan 2022 12:40

Tgt Ion: 75 Resp: 6816

Ion Ratio Lower Upper

75 100

110 2.9 29.9 44.9#

77 35.4 25.5 38.3

