

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011222\
 Data File : VU046737.D
 Acq On : 12 Jan 2022 13:04
 Operator : SY/MD
 Sample : N1101-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXW5

Quant Time: Jan 12 13:27:54 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	78751	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	83226	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	44374	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	20630	3.326	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.600%
7) Chloroethane-d5	1.919	69	18777	3.844	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.800%
11) 1,1-Dichloroethene-d2	2.575	65	9118	3.486	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.800%
20) 2-Butanone-d5	4.652	46	103937	57.766	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.540%
24) Chloroform-d	5.067	84	51093	4.495	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	5.706	65	29707	4.572	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.732	84	93431	4.027	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.600%
36) 1,2-Dichloropropane-d6	6.694	67	30085	4.315	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.400%
41) Toluene-d8	7.899	98	77206	3.667	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.400%
43) trans-1,3-Dichloroprop...	8.182	79	12635	3.919	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.400%
46) 2-Hexanone-d5	8.639	63	94644	49.996	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.000%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	34131	4.770	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	35011	4.283	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.600%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.144	101	1092	0.082	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	285	0.042	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	7162	1.034	ug/L #	74
17) Methyl tert-butyl Ether	3.369	73	13502	0.668	ug/L	97
19) 1,1-Dichloroethane	3.874	63	1956	0.144	ug/L	90
22) cis-1,2-Dichloroethene	4.674	96	2686	0.333	ug/L	96
25) Chloroform	5.092	83	33616	2.286	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	11952	0.868	ug/L	98
31) Carbon tetrachloride	5.327	117	1488	0.129	ug/L	100
34) Trichloroethene	6.542	95	8800	1.009	ug/L	89
35) Methylcyclohexane	6.694	83	7284	0.593	ug/L #	22
37) 1,2-Dichloropropane	6.697	63	3128	0.371	ug/L #	88
45) 1,1,2-Trichloroethane	8.555	97	811	0.111	ug/L #	1
47) Tetrachloroethene	8.555	164	100011	16.213	ug/L	92
49) Dibromochloromethane	8.555	129	96282	11.475	ug/L #	10
61) 1,2,3-Trichloropropane	11.809	75	5086	0.690	ug/L #	67

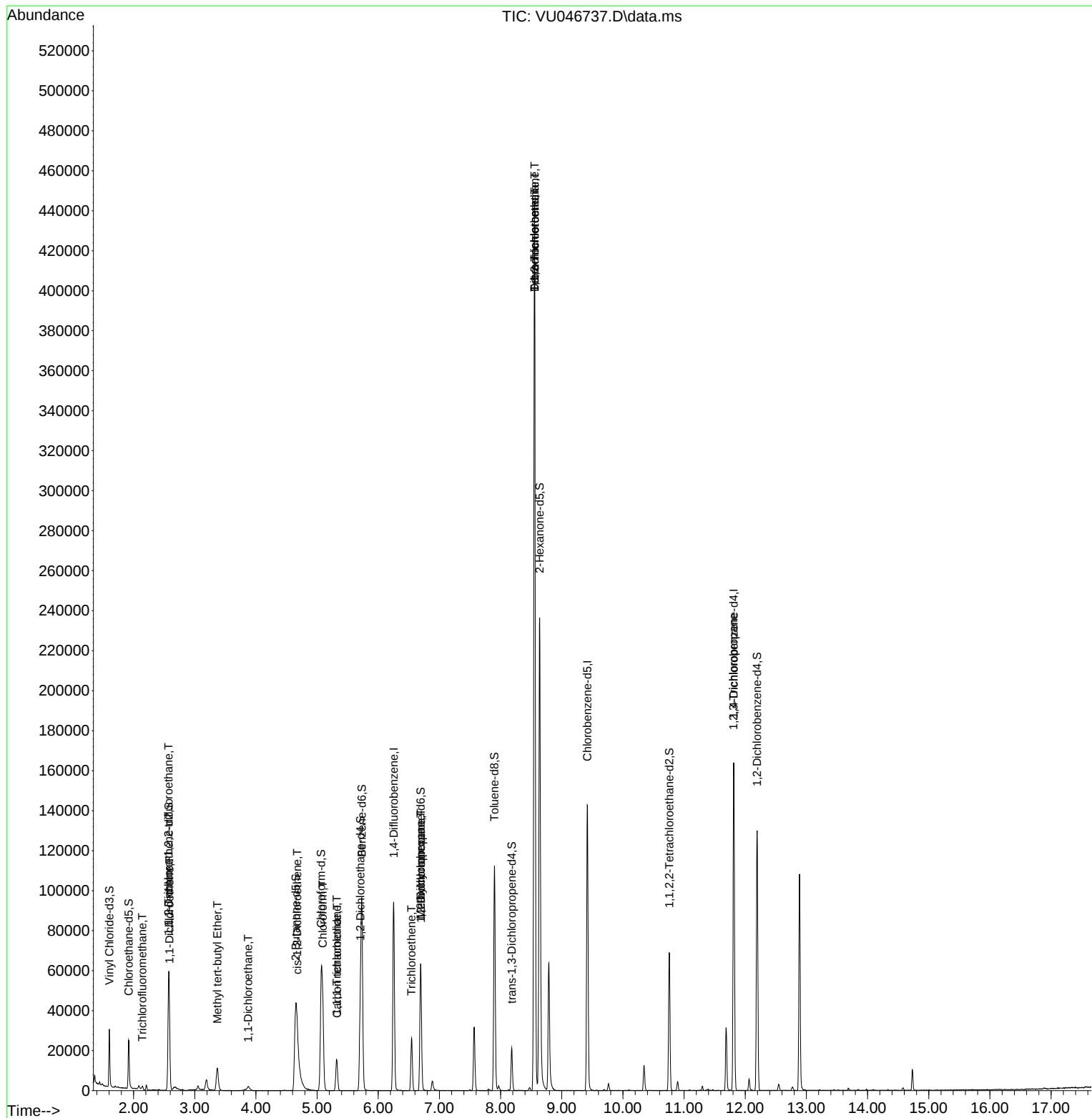
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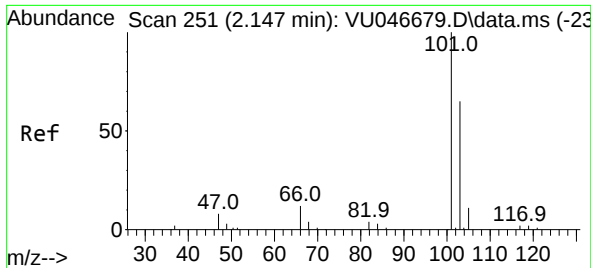
Instrument :
MSVOA_U
ClientSampleId :
BFXW5

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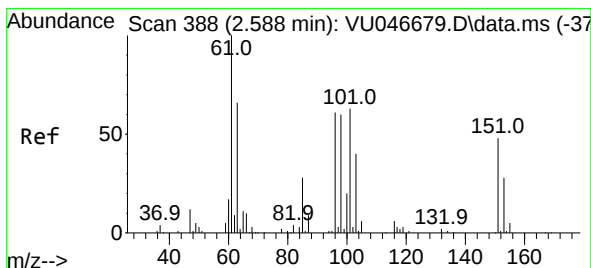
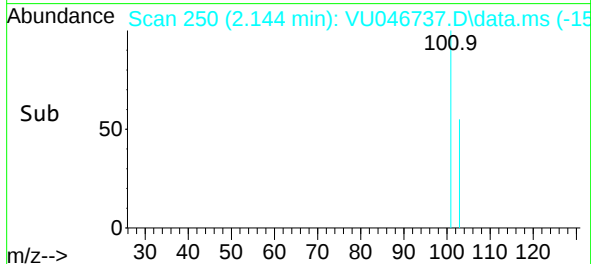
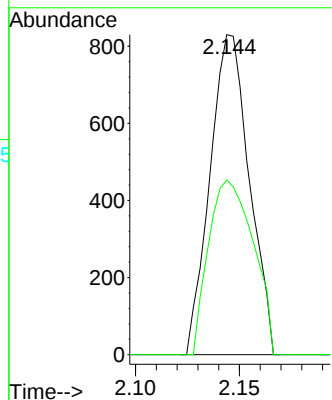
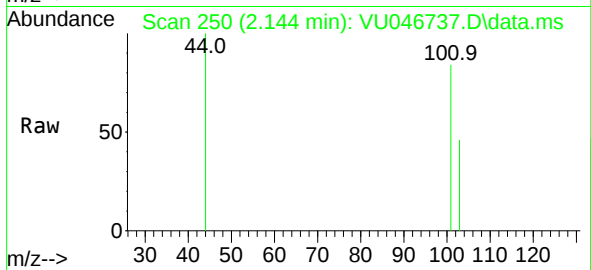




#9
Trichlorofluoromethane
Concen: 0.082 ug/L
RT: 2.144 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU046737.D
Acq: 12 Jan 2022 13:04

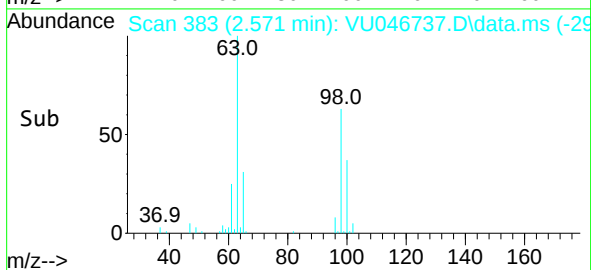
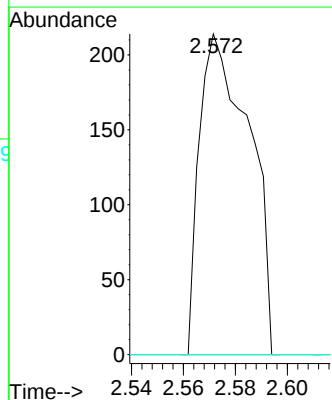
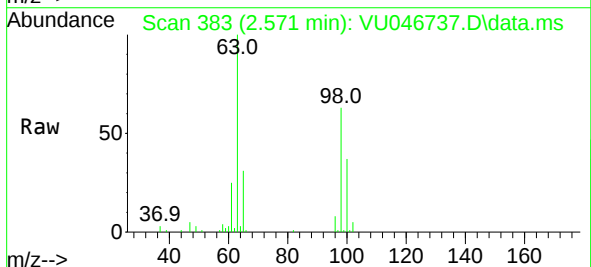
Instrument :
MSVOA_U
ClientSampleId :
BFXW5

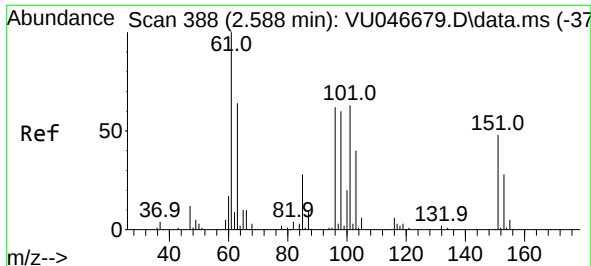
Tgt Ion:101 Resp: 1092
Ion Ratio Lower Upper
101 100
103 62.3 51.5 77.3



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.042 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.006 min
Lab File: VU046737.D
Acq: 12 Jan 2022 13:04

Tgt Ion:101 Resp: 285
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: 1.034 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.010 min

Lab File: VU046737.D

Acq: 12 Jan 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

BFXW5

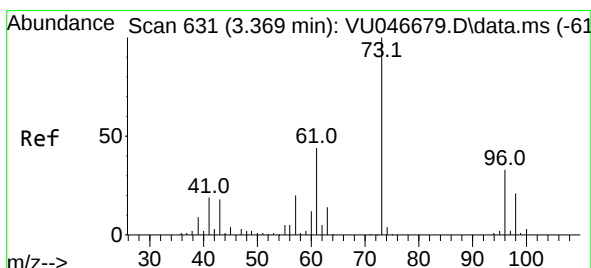
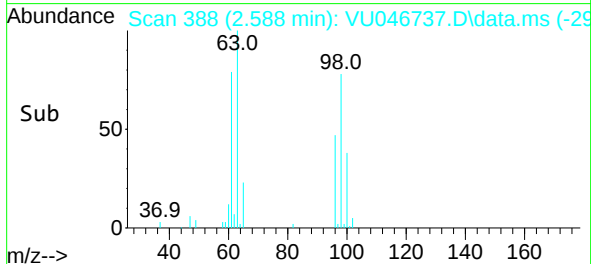
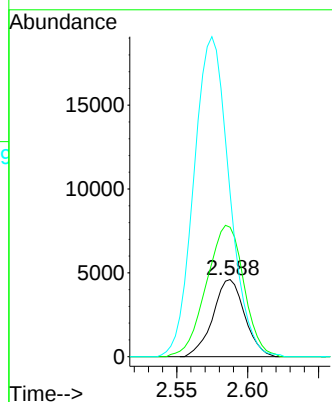
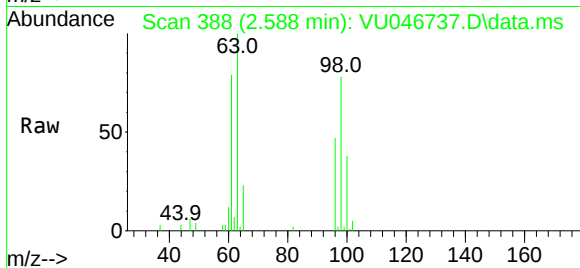
Tgt Ion: 96 Resp: 7162

Ion Ratio Lower Upper

96 100

61 167.9 124.7 231.5

63 212.0 105.2 195.4#



#17

Methyl tert-butyl Ether

Concen: 0.668 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.010 min

Lab File: VU046737.D

Acq: 12 Jan 2022 13:04

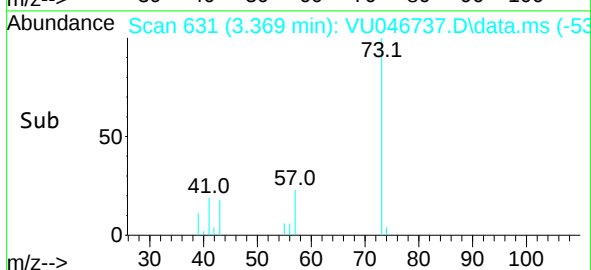
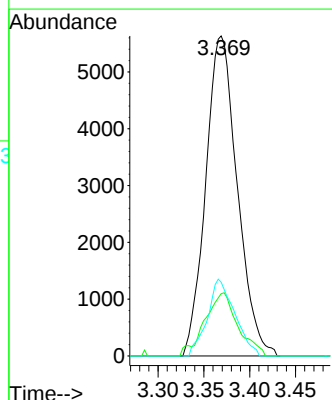
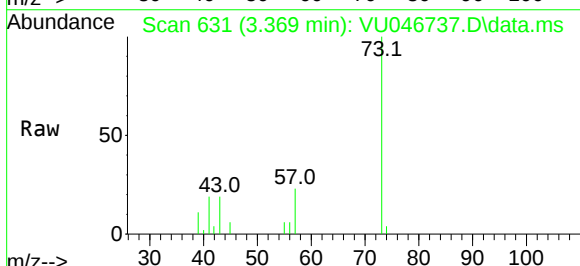
Tgt Ion: 73 Resp: 13502

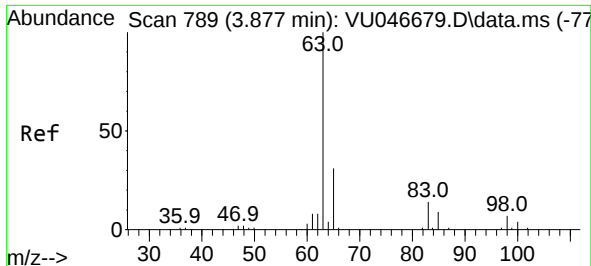
Ion Ratio Lower Upper

73 100

43 20.5 14.8 22.2

57 20.9 17.4 26.0





#19

1,1-Dichloroethane

Concen: 0.144 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.006 min

Lab File: VU046737.D

Acq: 12 Jan 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

BFXW5

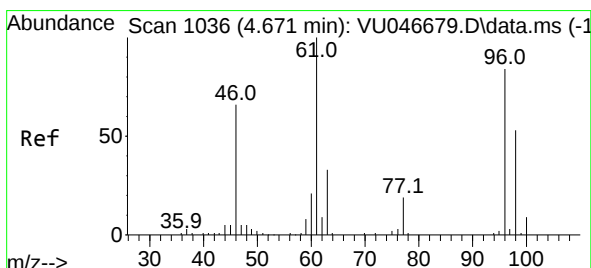
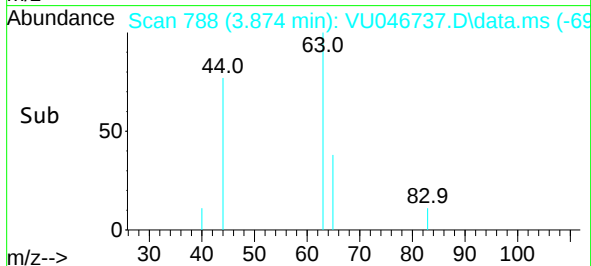
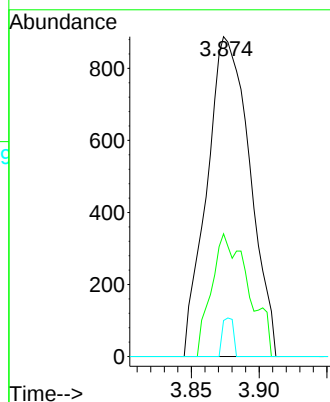
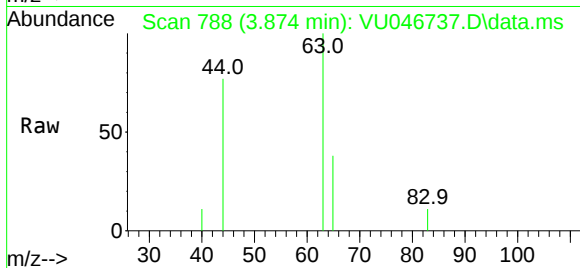
Tgt Ion: 63 Resp: 1956

Ion Ratio Lower Upper

63 100

65 38.4 22.3 41.5

83 11.3 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 0.333 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.010 min

Lab File: VU046737.D

Acq: 12 Jan 2022 13:04

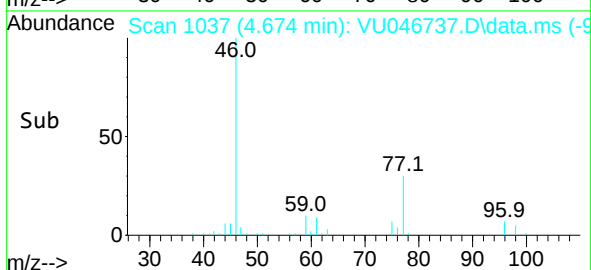
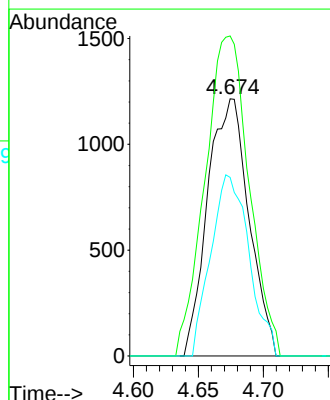
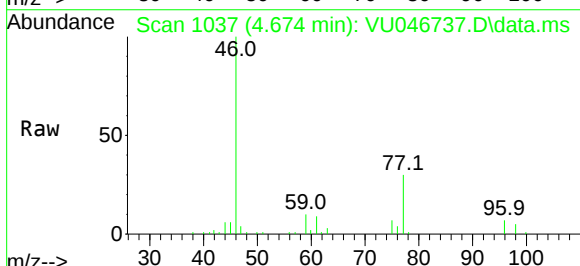
Tgt Ion: 96 Resp: 2686

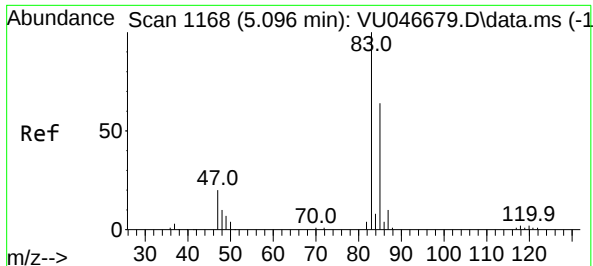
Ion Ratio Lower Upper

96 100

61 124.4 88.5 164.3

98 69.5 44.4 82.5





#25

Chloroform

Concen: 2.286 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.006 min

Lab File: VU046737.D

Acq: 12 Jan 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

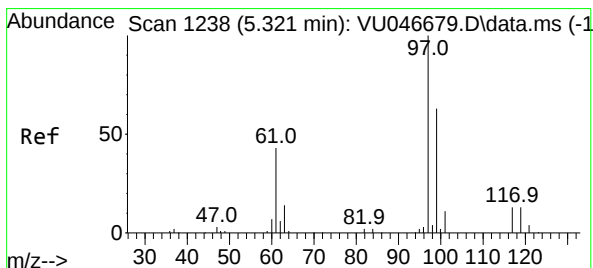
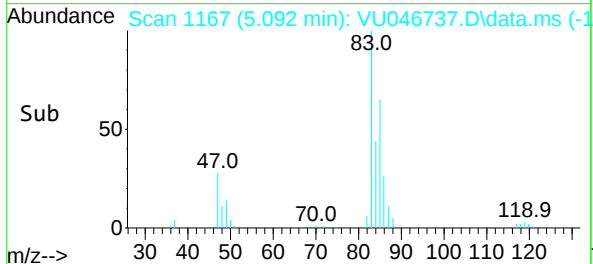
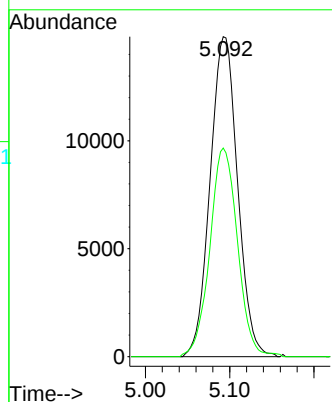
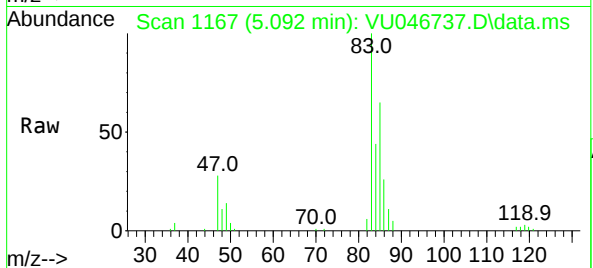
BFXW5

Tgt Ion: 83 Resp: 33616

Ion Ratio Lower Upper

83 100

85 65.2 46.9 87.1



#29

1,1,1-Trichloroethane

Concen: 0.868 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.003 min

Lab File: VU046737.D

Acq: 12 Jan 2022 13:04

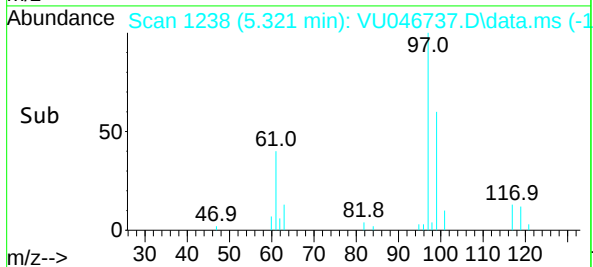
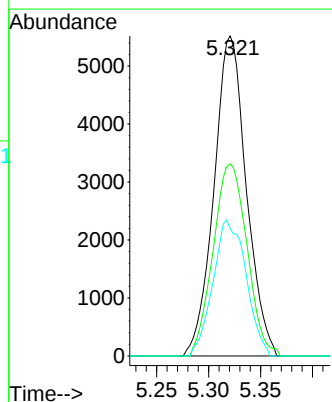
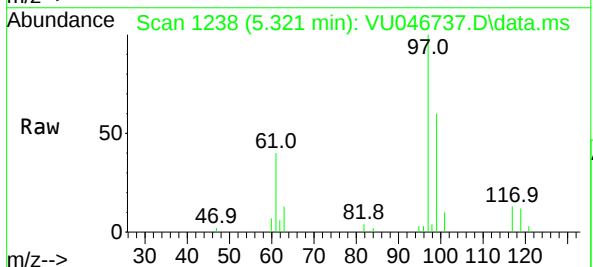
Tgt Ion: 97 Resp: 11952

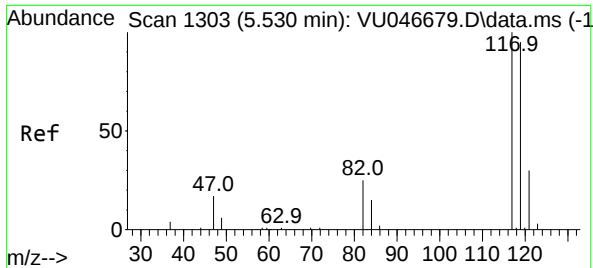
Ion Ratio Lower Upper

97 100

99 62.7 51.3 76.9

61 43.3 36.1 54.1

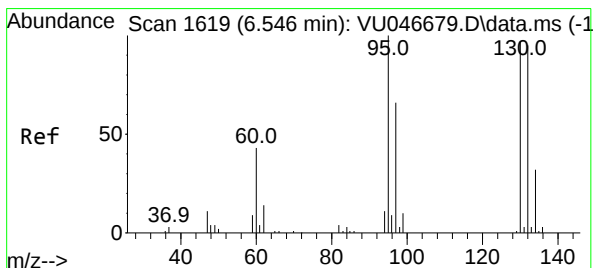
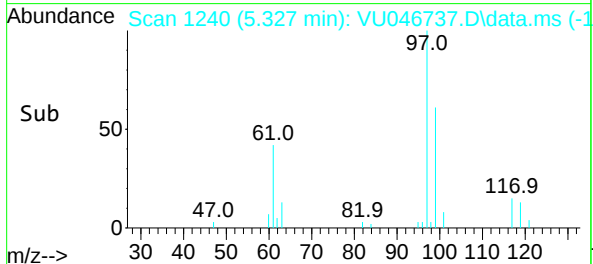
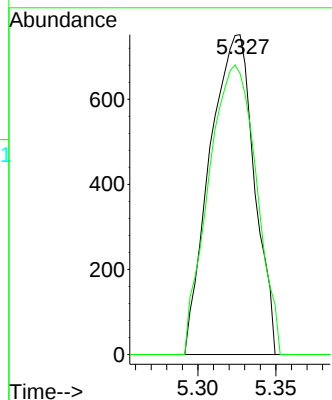
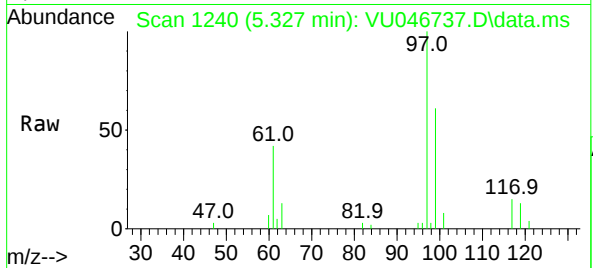




#31
Carbon tetrachloride
Concen: 0.129 ug/L
RT: 5.327 min Scan# 11
Delta R.T. -0.199 min
Lab File: VU046737.D
Acq: 12 Jan 2022 13:04

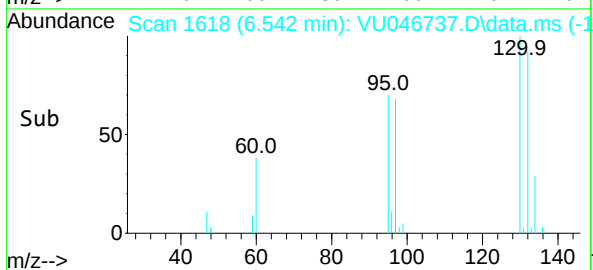
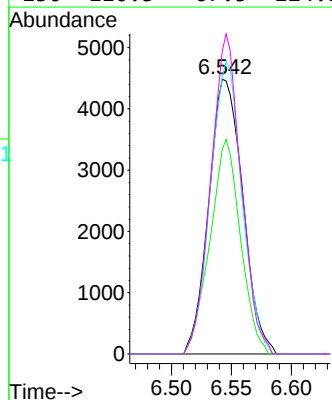
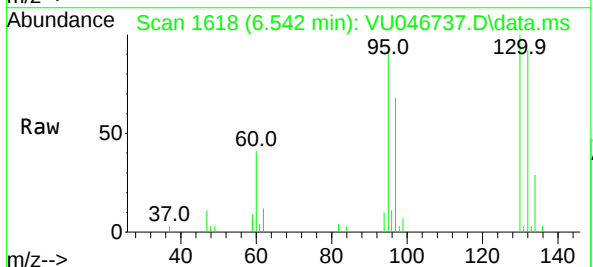
Instrument :
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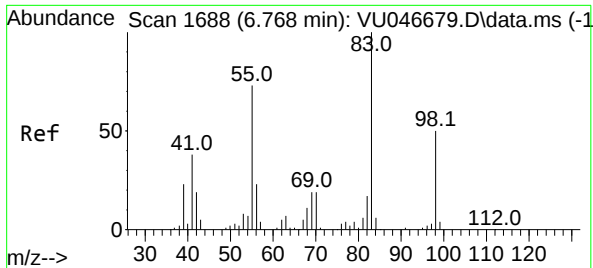
Tgt Ion:117 Resp: 1488
Ion Ratio Lower Upper
117 100
119 97.4 77.5 116.3



#34
Trichloroethene
Concen: 1.009 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU046737.D
Acq: 12 Jan 2022 13:04

Tgt Ion: 95 Resp: 8800
Ion Ratio Lower Upper
95 100
97 74.6 46.5 86.5
132 101.0 65.1 120.9
130 110.3 67.3 124.9

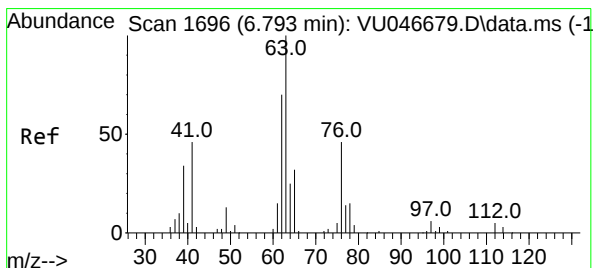
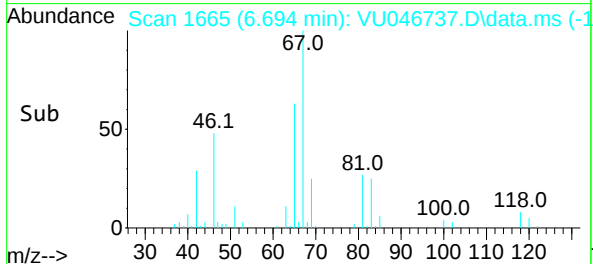
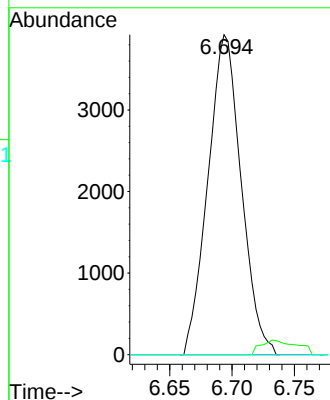
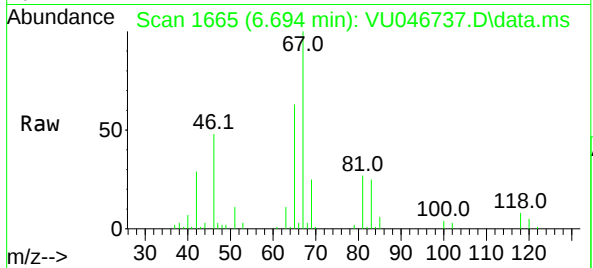




#35
Methylcyclohexane
Concen: 0.593 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.071 min
Lab File: VU046737.D
Acq: 12 Jan 2022 13:04

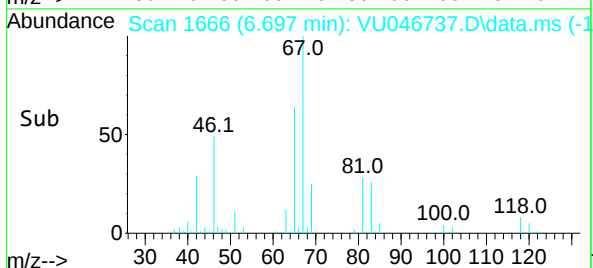
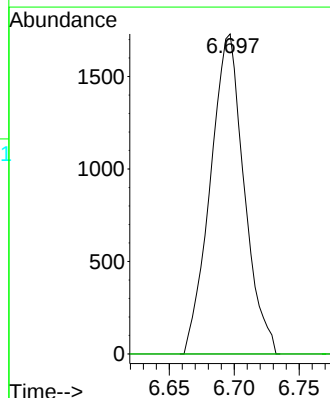
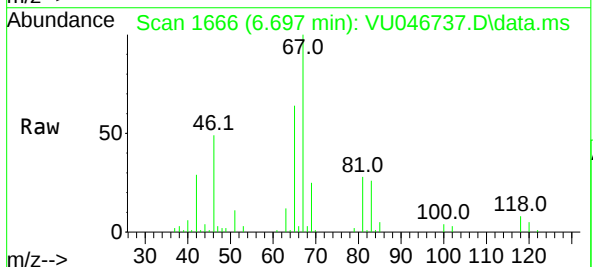
Instrument :
MSVOA_U
ClientSampleId :
BFXW5

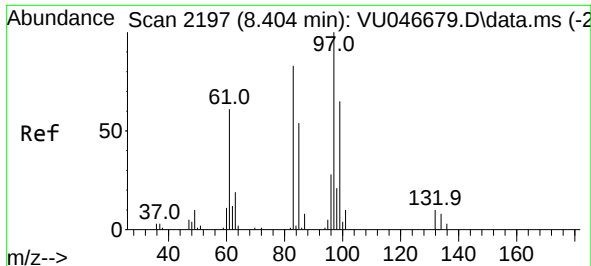
Tgt Ion: 83 Resp: 7284
Ion Ratio Lower Upper
83 100
55 4.9 61.9 92.9#
98 2.1 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.371 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.093 min
Lab File: VU046737.D
Acq: 12 Jan 2022 13:04

Tgt Ion: 63 Resp: 3128
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#45

1,1,2-Trichloroethane

Concen: 0.111 ug/L

RT: 8.555 min Scan# 2197

Delta R.T. 0.154 min

Lab File: VU046737.D

Acq: 12 Jan 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

BFXW5

Tgt Ion: 97 Resp: 811

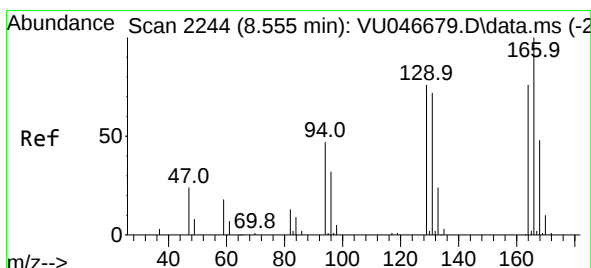
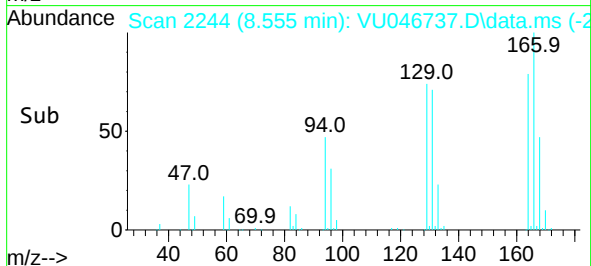
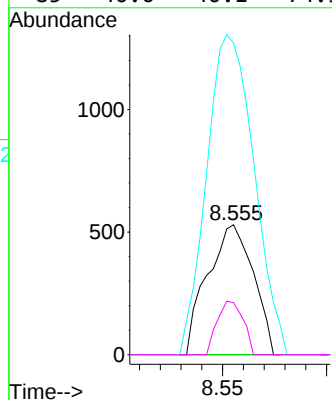
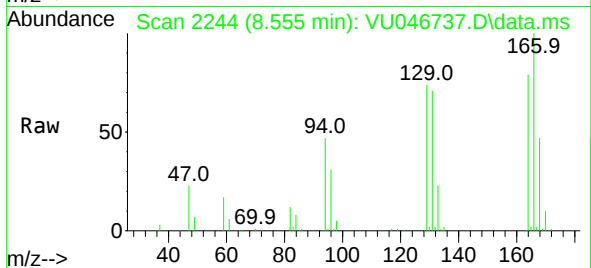
Ion Ratio Lower Upper

97 100

99 0.0 42.3 78.5#

83 239.8 62.0 115.2#

85 40.0 40.1 74.5#



#47

Tetrachloroethene

Concen: 16.213 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU046737.D

Acq: 12 Jan 2022 13:04

Tgt Ion:164 Resp: 100011

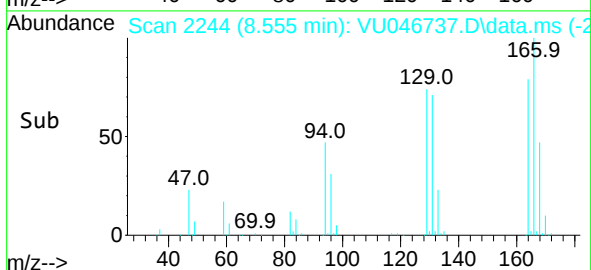
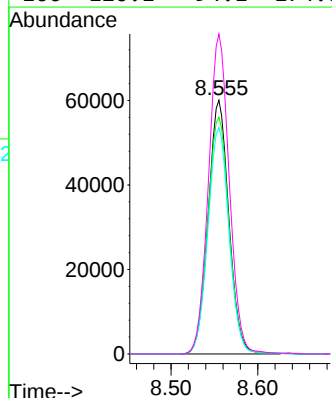
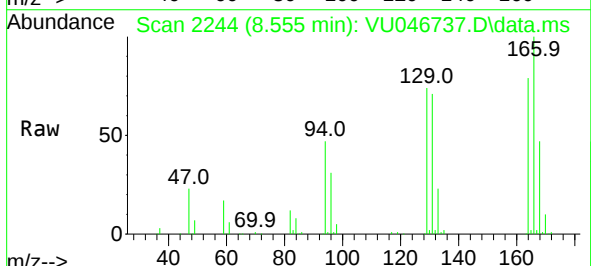
Ion Ratio Lower Upper

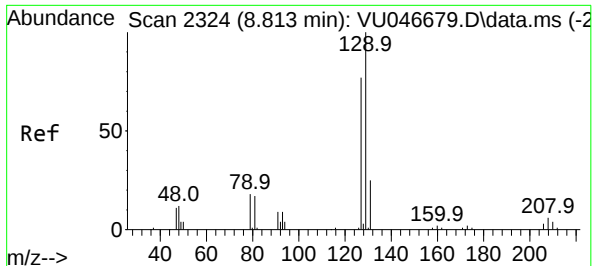
164 100

129 93.3 71.8 133.4

131 89.2 68.5 127.3

166 126.1 94.1 174.8





#49

Dibromochloromethane

Concen: 11.475 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046737.D

Acq: 12 Jan 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

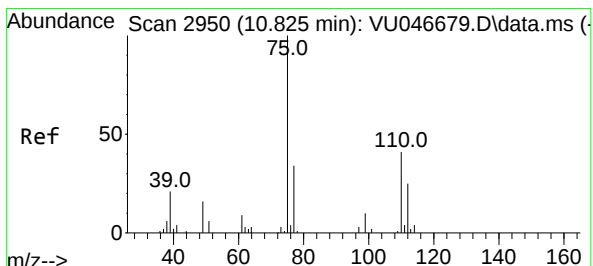
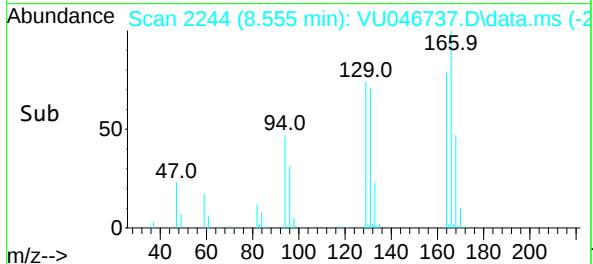
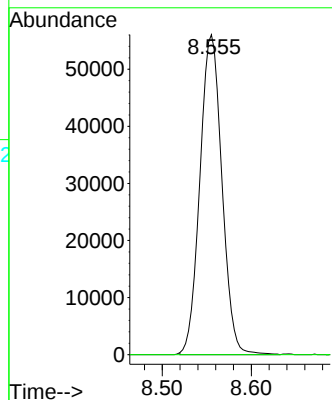
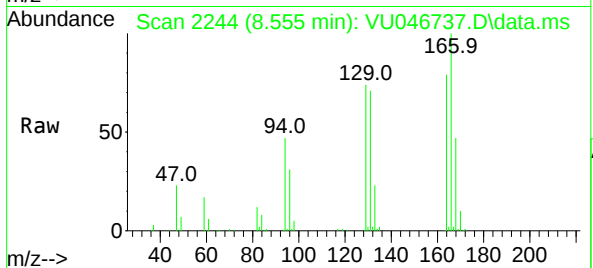
BFXW5

Tgt Ion:129 Resp: 96282

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 0.690 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.984 min

Lab File: VU046737.D

Acq: 12 Jan 2022 13:04

Tgt Ion: 75 Resp: 5086

Ion Ratio Lower Upper

75 100

110 1.4 29.9 44.9#

77 31.2 25.5 38.3

