

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020222\
 Data File : VU047012.D
 Acq On : 02 Feb 2022 19:29
 Operator : SY/MD
 Sample : N1349-15 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0HQ4

Quant Time: Feb 03 03:03:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 03 02:56:36 2022
 Response via : Initial Calibration

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

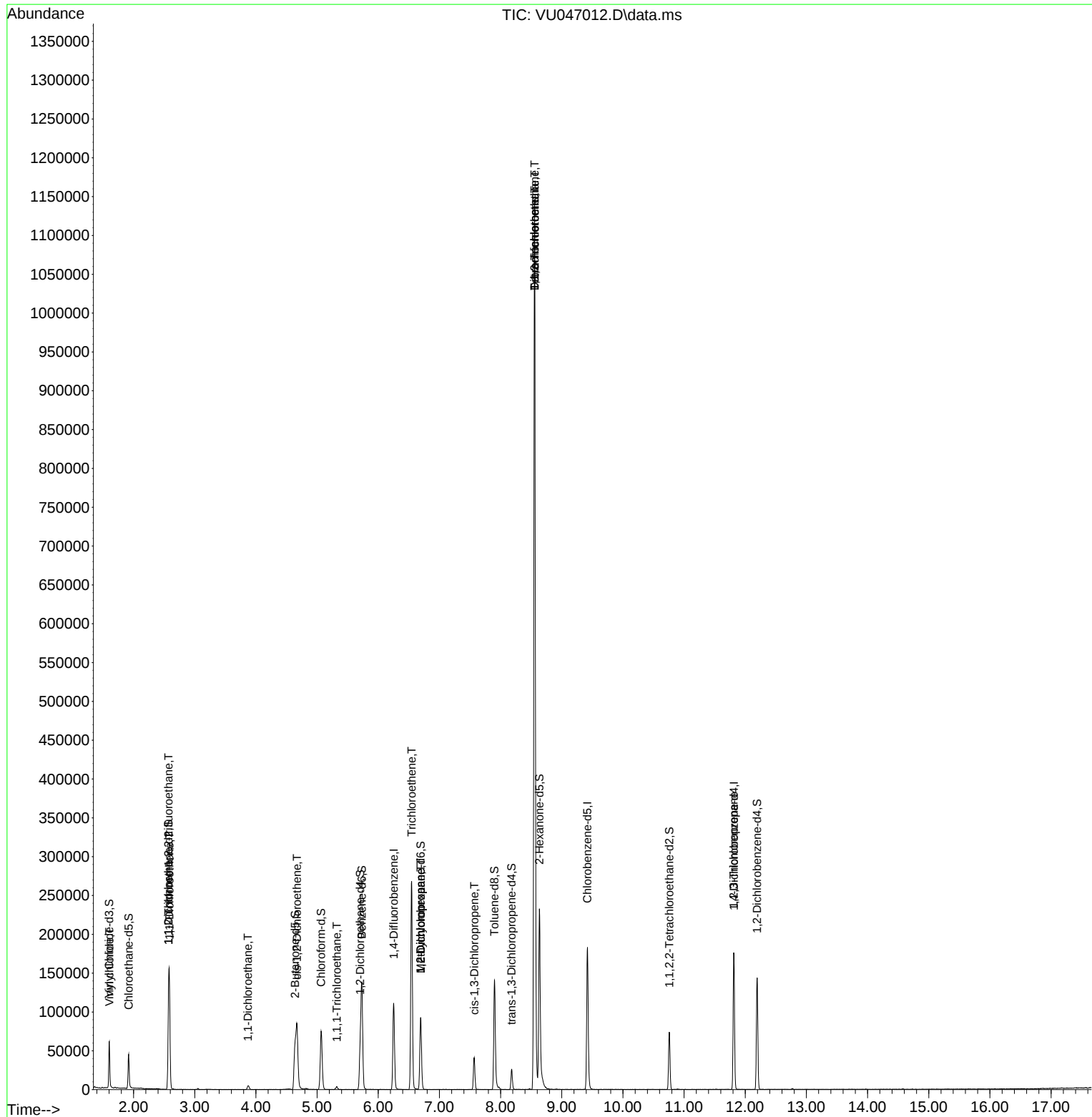
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	90387	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	111871	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	48164	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	42226	5.513	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.200%
7) Chloroethane-d5	1.919	69	34425	5.705	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.000%
11) 1,1-Dichloroethene-d2	2.571	65	16415	5.388	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.800%
20) 2-Butanone-d5	4.639	46	100812	44.430	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.860%
24) Chloroform-d	5.067	84	71330	5.305	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.200%
26) 1,2-Dichloroethane-d4	5.703	65	38191	5.216	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	5.732	84	134422	4.088	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.800%
36) 1,2-Dichloropropane-d6	6.694	67	45859	4.645	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.000%
41) Toluene-d8	7.899	98	103652	3.444	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.800%#
43) trans-1,3-Dichloroprop...	8.179	79	15259	3.520	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.400%
46) 2-Hexanone-d5	8.636	63	82361	32.084	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	64.160%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	38188	3.853	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	38027	4.210	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.200%
Target Compounds						
5) Vinyl chloride	1.607	62	2697	0.370	ug/L #	80
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	490	0.093	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	36416	7.215	ug/L #	80
19) 1,1-Dichloroethane	3.870	63	6078	0.662	ug/L	97
22) cis-1,2-Dichloroethene	4.671	96	33015	5.725	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	2851	0.283	ug/L	97
34) Trichloroethene	6.546	95	93521	13.676	ug/L	99
35) Methylcyclohexane	6.694	83	10548	0.921	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	4777	0.739	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	1059	0.105	ug/L #	79
45) 1,1,2-Trichloroethane	8.555	97	2419	0.440	ug/L #	1
47) Tetrachloroethene	8.555	164	260396	46.819	ug/L	95
49) Dibromochloromethane	8.555	129	253705	39.126	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	5546	1.359	ug/L #	66

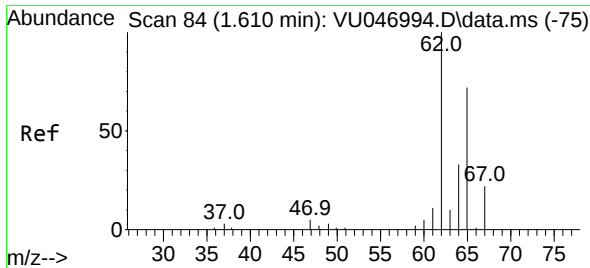
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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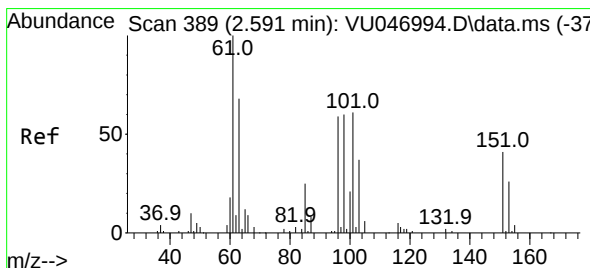
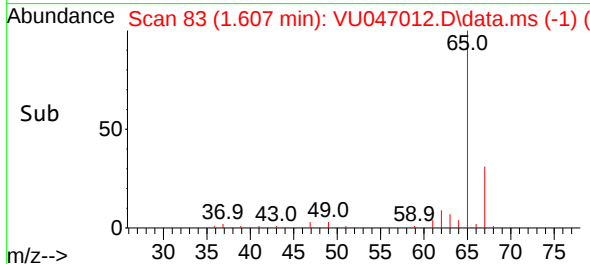
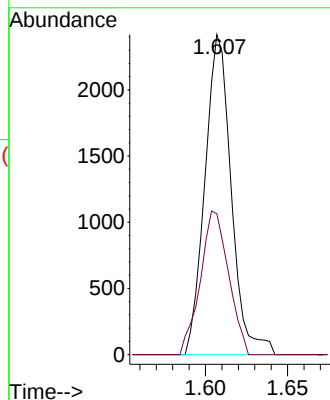
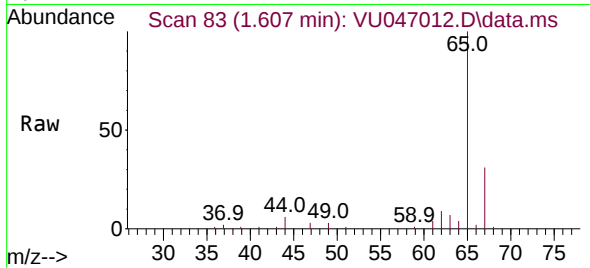




#5
 Vinyl chloride
 Concen: 0.370 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU047012.D
 Acq: 02 Feb 2022 19:29

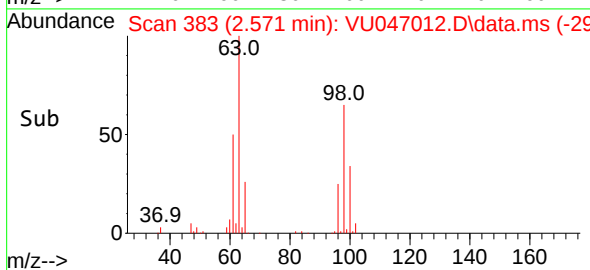
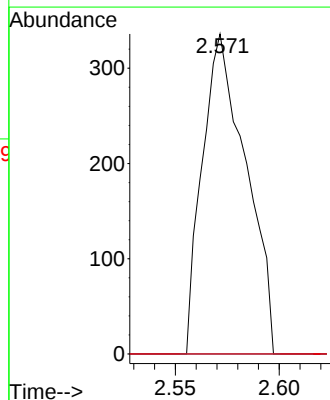
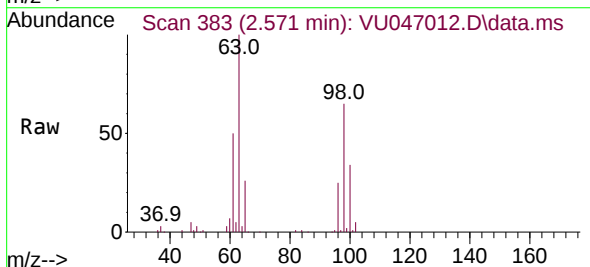
Instrument :
 MSVOA_U
 ClientSampleId :
 C0HQ4

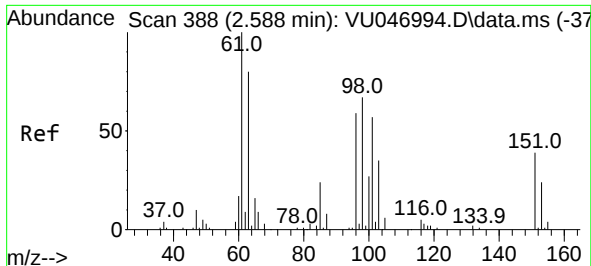
Tgt Ion: 62 Resp: 2697
 Ion Ratio Lower Upper
 62 100
 64 44.1 22.9 42.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.093 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.019 min
 Lab File: VU047012.D
 Acq: 02 Feb 2022 19:29

Tgt Ion: 101 Resp: 490
 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: 7.215 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU047012.D

Acq: 02 Feb 2022 19:29

Instrument :

MSVOA_U

ClientSampleId :

C0HQ4

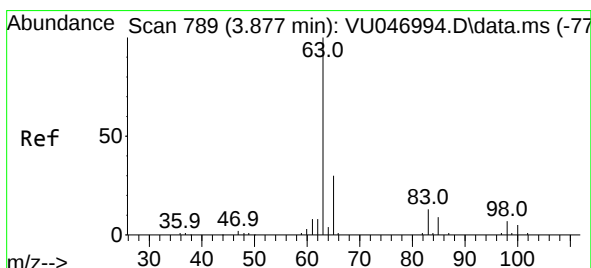
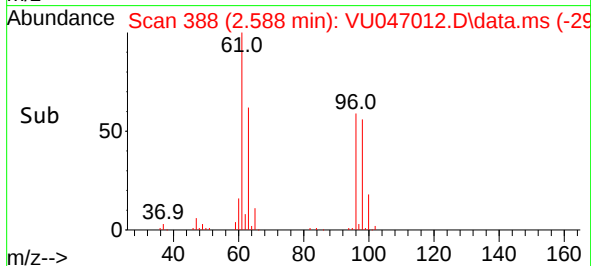
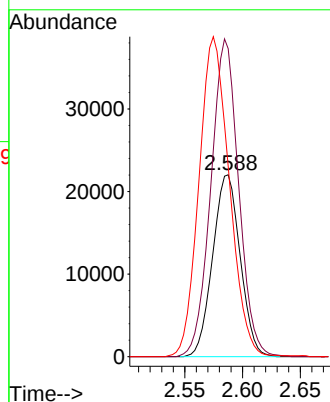
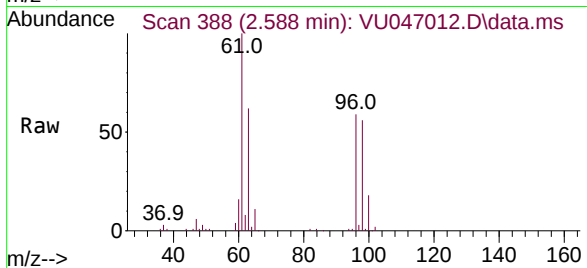
Tgt Ion: 96 Resp: 36416

Ion Ratio Lower Upper

96 100

61 169.3 124.7 231.5

63 104.6 105.2 195.4#



#19

1,1-Dichloroethane

Concen: 0.662 ug/L

RT: 3.870 min Scan# 787

Delta R.T. -0.007 min

Lab File: VU047012.D

Acq: 02 Feb 2022 19:29

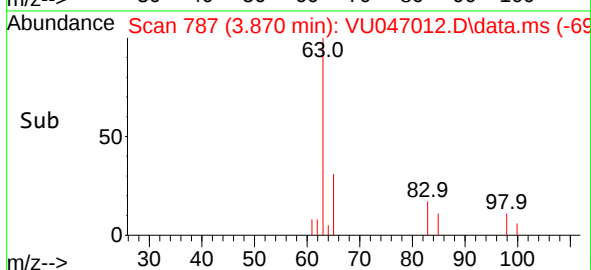
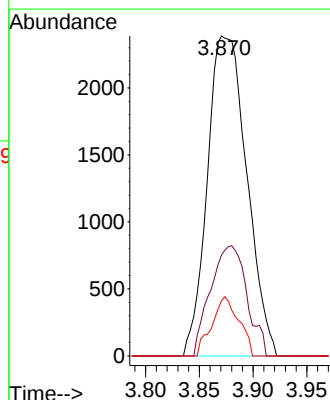
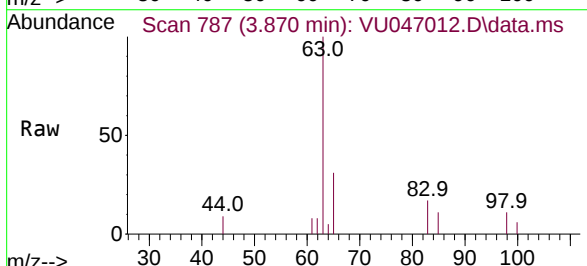
Tgt Ion: 63 Resp: 6078

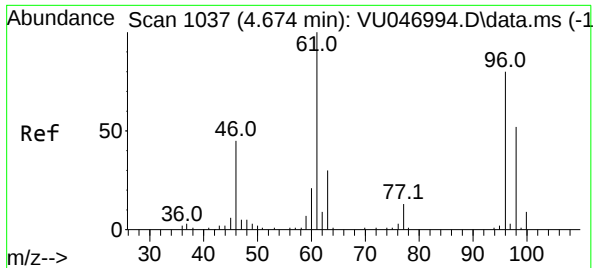
Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.5

83 17.2 9.6 17.8

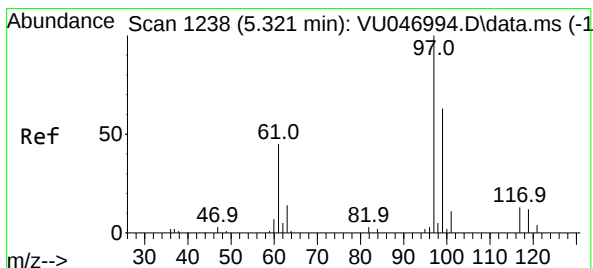
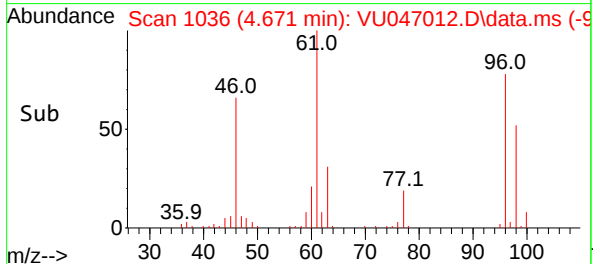
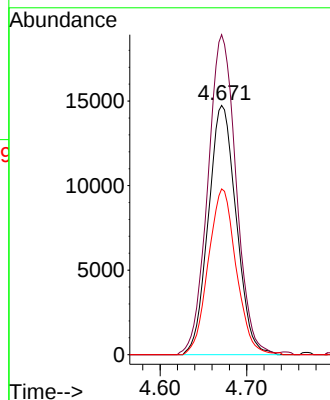
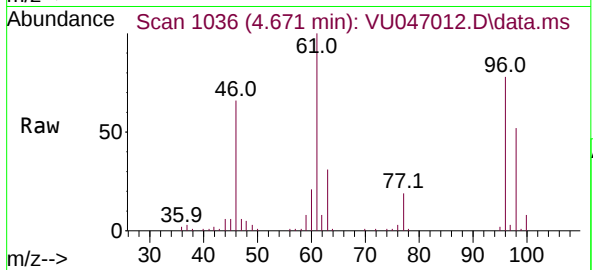




#22
 cis-1,2-Dichloroethene
 Concen: 5.725 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.003 min
 Lab File: VU047012.D
 Acq: 02 Feb 2022 19:29

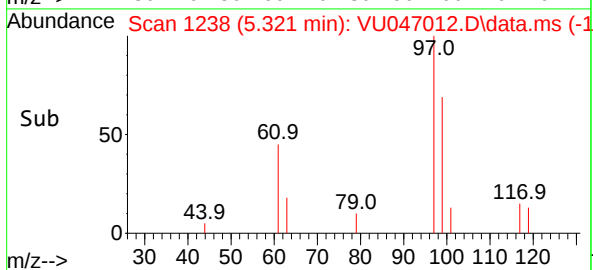
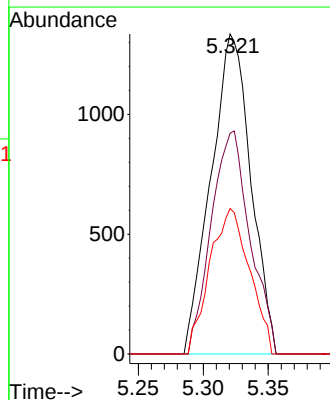
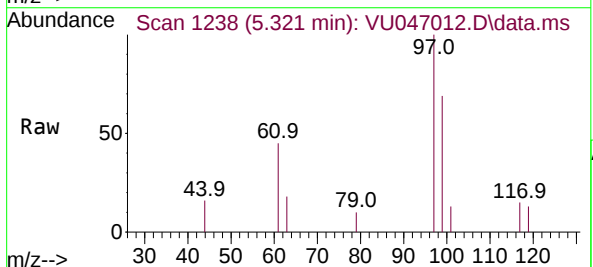
Instrument :
 MSVOA_U
 ClientSampleId :
 C0HQ4

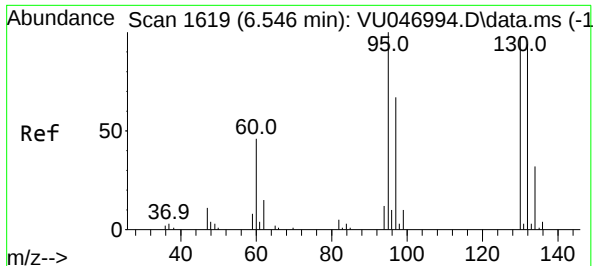
Tgt Ion: 96	Resp:	33015
Ion	Ratio	Lower Upper
96	100	
61	128.3	88.5 164.3
98	66.5	44.4 82.5



#29
 1,1,1-Trichloroethane
 Concen: 0.283 ug/L
 RT: 5.321 min Scan# 1238
 Delta R.T. -0.000 min
 Lab File: VU047012.D
 Acq: 02 Feb 2022 19:29

Tgt Ion: 97	Resp:	2851
Ion	Ratio	Lower Upper
97	100	
99	67.8	51.3 76.9
61	45.4	36.1 54.1

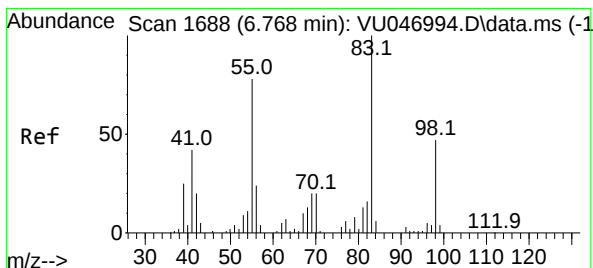
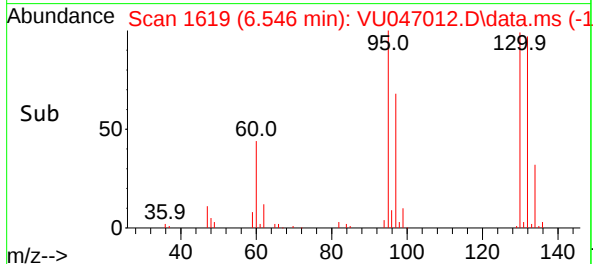
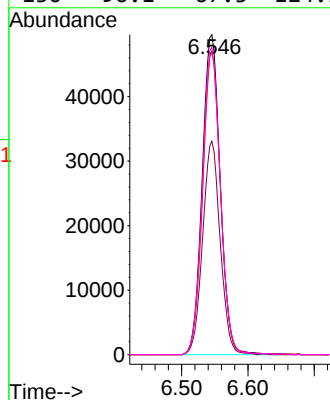
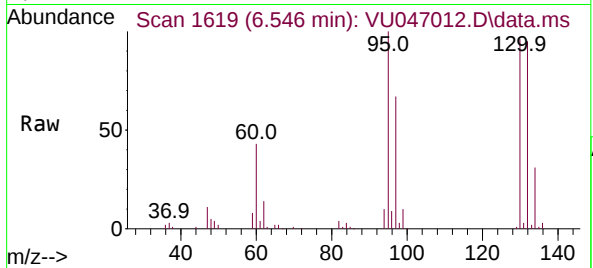




#34
Trichloroethene
Concen: 13.676 ug/L
RT: 6.546 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU047012.D
Acq: 02 Feb 2022 19:29

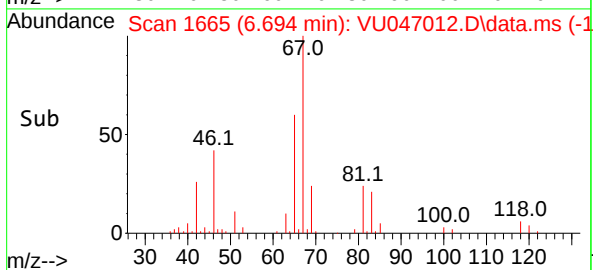
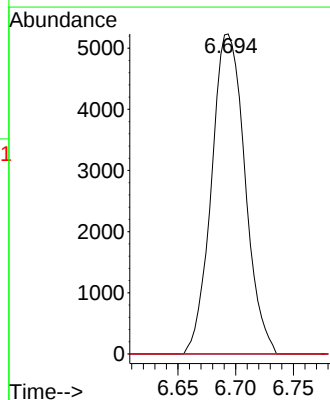
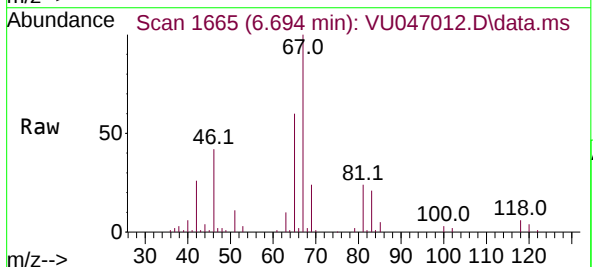
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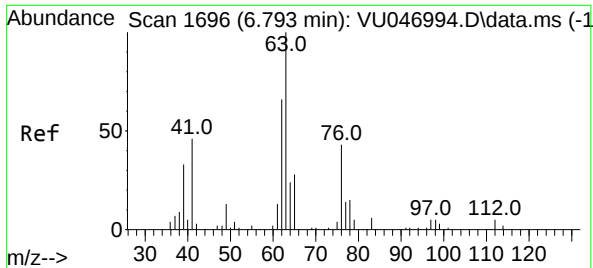
Tgt Ion: 95 Resp: 93521
Ion Ratio Lower Upper
95 100
97 66.7 46.5 86.5
132 94.8 65.1 120.9
130 96.1 67.3 124.9



#35
Methylcyclohexane
Concen: 0.921 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU047012.D
Acq: 02 Feb 2022 19:29

Tgt Ion: 83 Resp: 10548
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.739 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU047012.D

Acq: 02 Feb 2022 19:29

Instrument :

MSVOA_U

ClientSampleId :

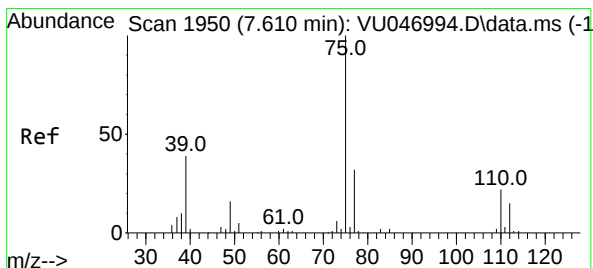
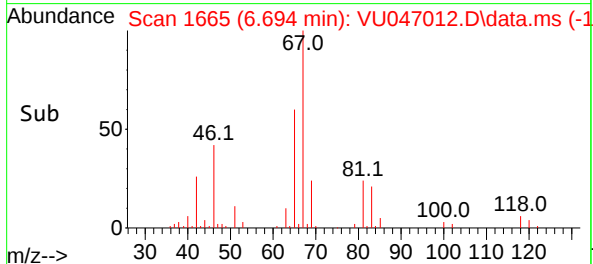
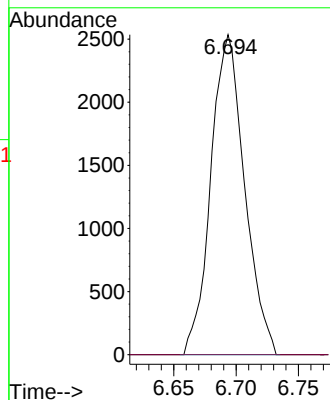
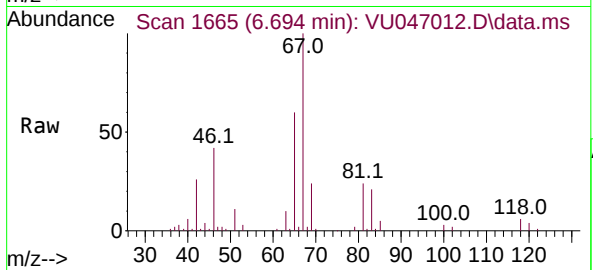
C0HQ4

Tgt Ion: 63 Resp: 4777

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.039 min

Lab File: VU047012.D

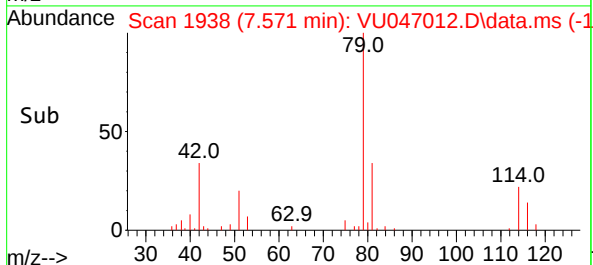
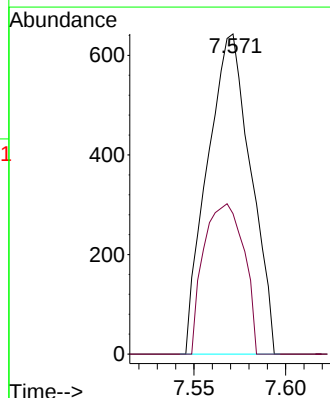
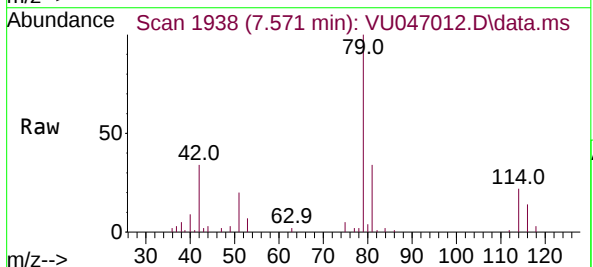
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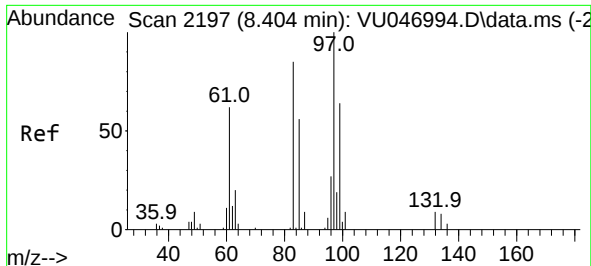
Tgt Ion: 75 Resp: 1059

Ion Ratio Lower Upper

75 100

77 43.9 22.5 41.9#





#45

1,1,2-Trichloroethane

Concen: 0.440 ug/L

RT: 8.555 min Scan# 2197

Delta R.T. 0.151 min

Lab File: VU047012.D

Acq: 02 Feb 2022 19:29

Instrument :

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ClientSampleId :

C0HQ4

Tgt Ion: 97 Resp: 2419

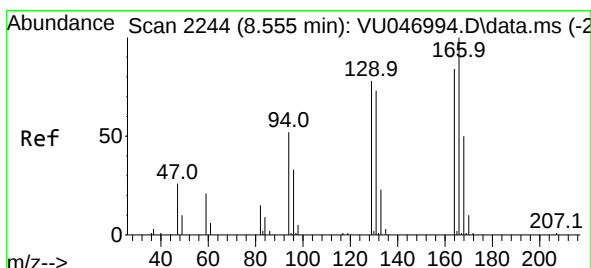
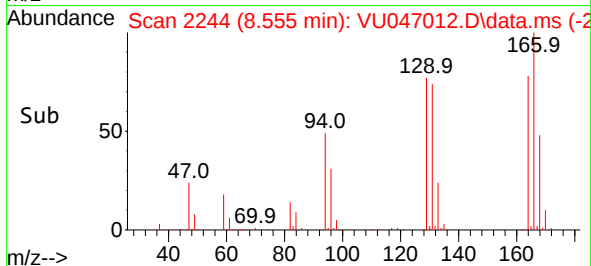
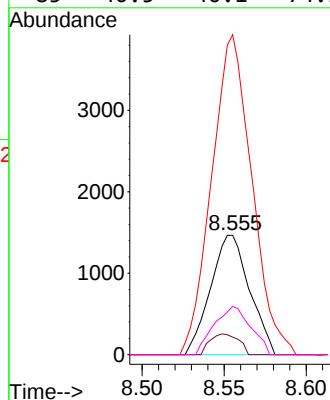
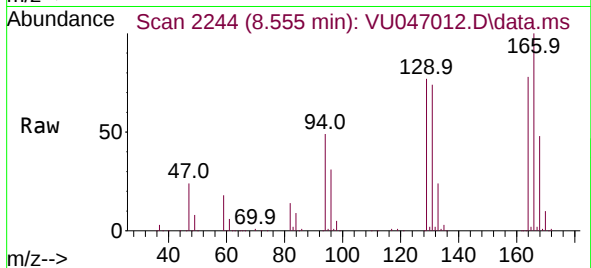
Ion Ratio Lower Upper

97 100

99 14.7 42.3 78.5#

83 268.0 62.0 115.2#

85 40.5 40.1 74.5



#47

Tetrachloroethene

Concen: 46.819 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU047012.D

Acq: 02 Feb 2022 19:29

Tgt Ion:164 Resp: 260396

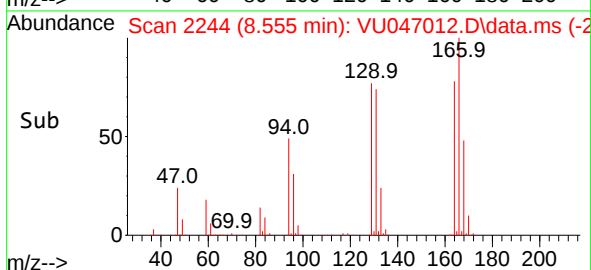
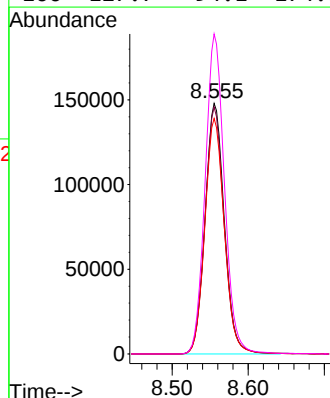
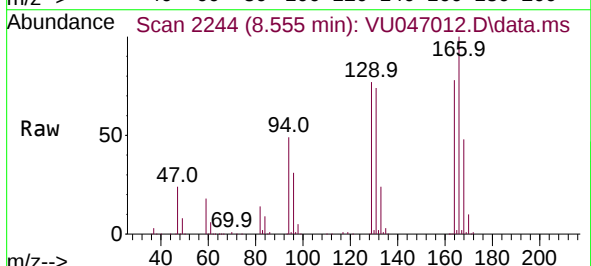
Ion Ratio Lower Upper

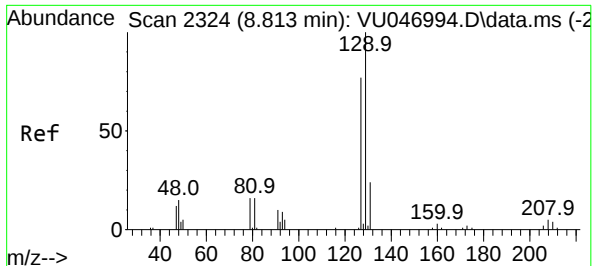
164 100

129 98.5 71.8 133.4

131 94.0 68.5 127.3

166 127.7 94.1 174.8





#49

Dibromochloromethane

Concen: 39.126 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU047012.D

Acq: 02 Feb 2022 19:29

Instrument :

MSVOA_U

ClientSampleId :

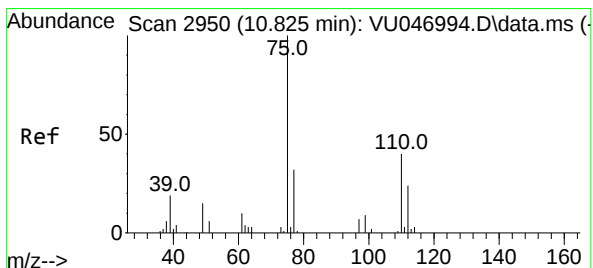
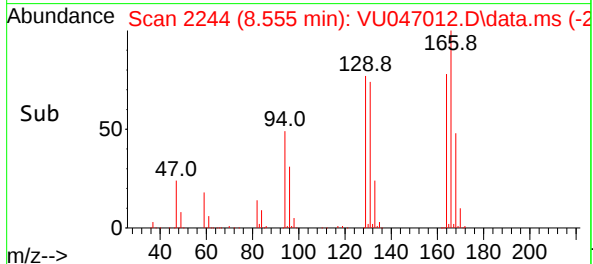
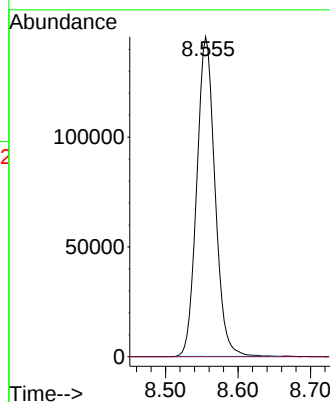
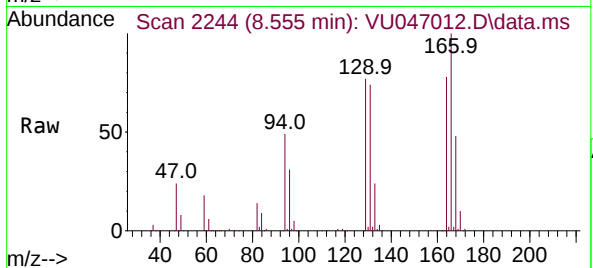
C0HQ4

Tgt Ion:129 Resp: 253705

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.359 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU047012.D

Acq: 02 Feb 2022 19:29

Tgt Ion: 75 Resp: 5546

Ion Ratio Lower Upper

75 100

110 0.0 29.9 44.9#

77 32.8 25.5 38.3

