

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020122\
 Data File : VU046988.D
 Acq On : 02 Feb 2022 01:47
 Operator : SY/MD
 Sample : N1349-14 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0HQ3

Quant Time: Feb 02 04:09:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 02 03:49:05 2022
 Response via : Initial Calibration

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

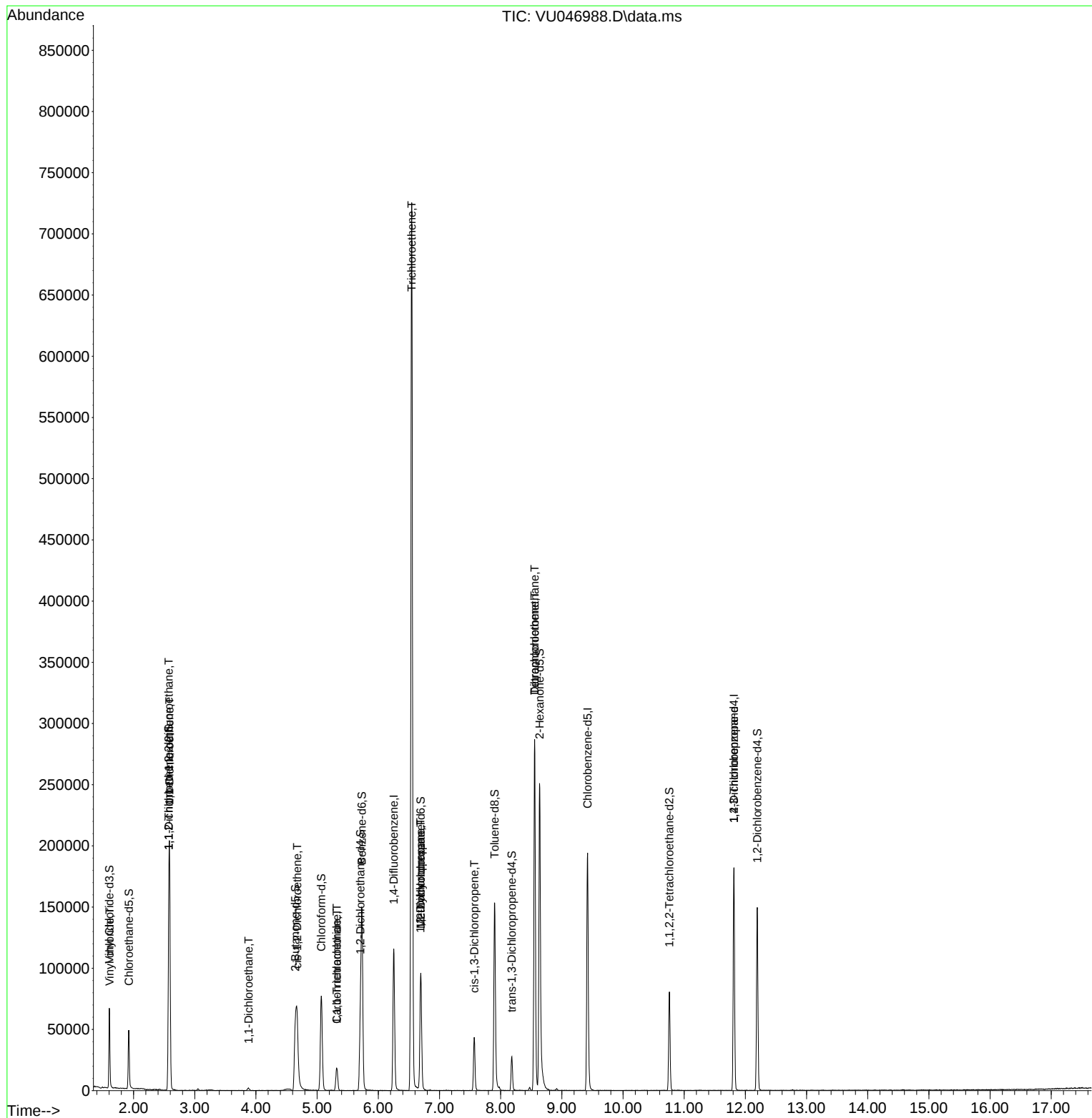
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	95548	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	114888	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	47809	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	45091	5.569	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.400%
7) Chloroethane-d5	1.922	69	37819	5.929	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.600%
11) 1,1-Dichloroethene-d2	2.575	65	17847	5.542	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.800%
20) 2-Butanone-d5	4.646	46	114560	47.762	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.520%
24) Chloroform-d	5.070	84	73586	5.177	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.707	65	40545	5.238	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	5.732	84	142777	4.228	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.694	67	47275	4.663	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.903	98	112463	3.639	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.800%
43) trans-1,3-Dichloroprop...	8.182	79	16329	3.668	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.400%
46) 2-Hexanone-d5	8.636	63	94181	35.725	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.440%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	41038	4.032	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	38970	4.346	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.000%
Target Compounds						
5) Vinyl chloride	1.610	62	3559	0.462	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	517	0.093	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	52899	9.915	ug/L	81
19) 1,1-Dichloroethane	3.880	63	2823	0.291	ug/L	92
22) cis-1,2-Dichloroethene	4.674	96	18507	3.036	ug/L	96
29) 1,1,1-Trichloroethane	5.321	97	14392	1.391	ug/L	98
31) Carbon tetrachloride	5.321	117	1761	0.198	ug/L	95
34) Trichloroethene	6.546	95	254785	36.279	ug/L	99
35) Methylcyclohexane	6.694	83	11351	0.965	ug/L #	17
37) 1,2-Dichloropropane	6.690	63	4790	0.722	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	1007	0.097	ug/L #	67
47) Tetrachloroethene	8.555	164	64577	11.306	ug/L	99
49) Dibromochloromethane	8.555	129	64217	9.643	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	6074	1.499	ug/L #	65

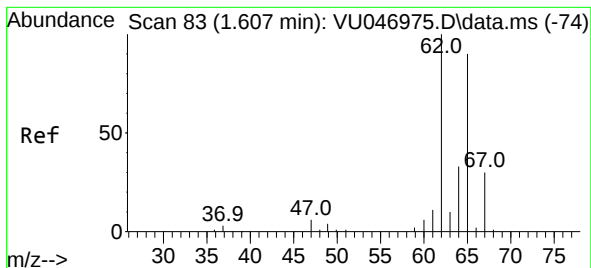
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.462 ug/L

RT: 1.610 min Scan# 84

Delta R.T. 0.003 min

Lab File: VU046988.D

Acq: 02 Feb 2022 01:47

Instrument :

MSVOA_U

ClientSampleId :

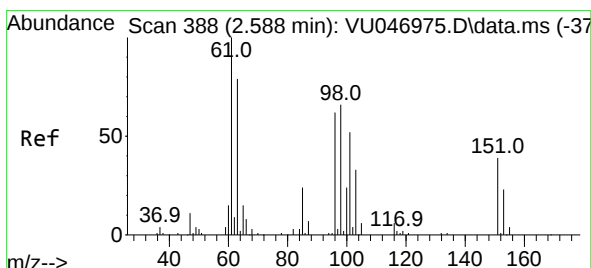
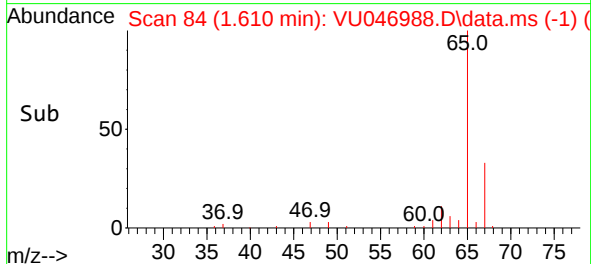
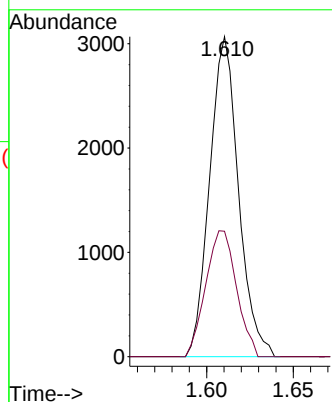
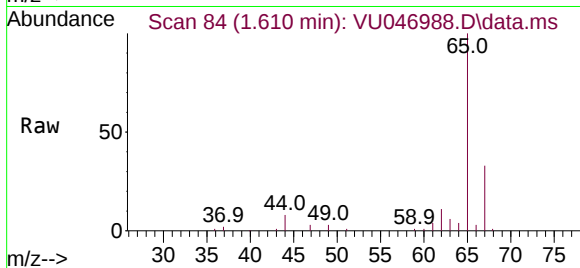
C0HQ3

Tgt Ion: 62 Resp: 3559

Ion Ratio Lower Upper

62 100

64 39.2 22.9 42.5



#10

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

Concen: 0.093 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.013 min

Lab File: VU046988.D

Acq: 02 Feb 2022 01:47

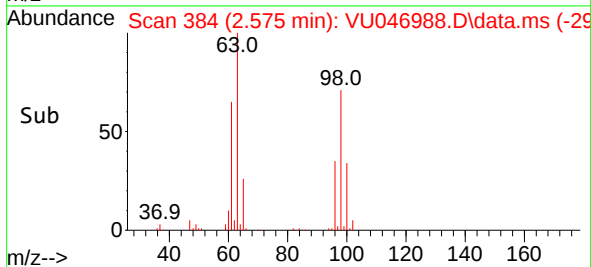
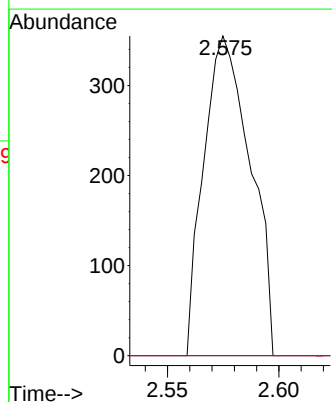
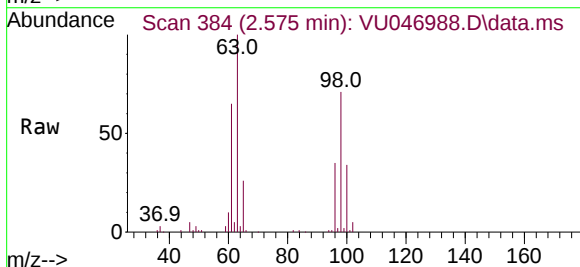
Tgt Ion: 101 Resp: 517

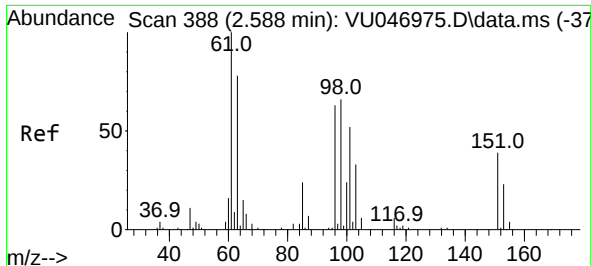
Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 9.915 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU046988.D

Acq: 02 Feb 2022 01:47

Instrument :

MSVOA_U

ClientSampleId :

C0HQ3

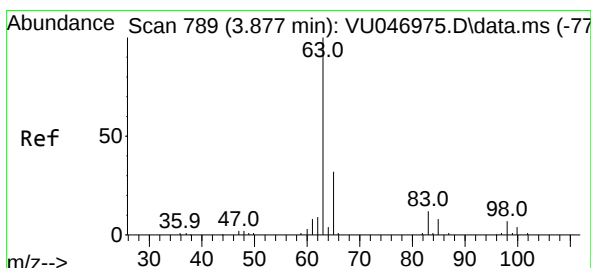
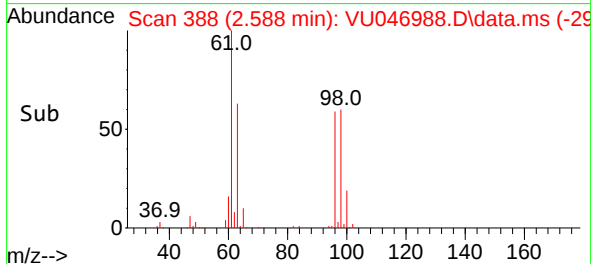
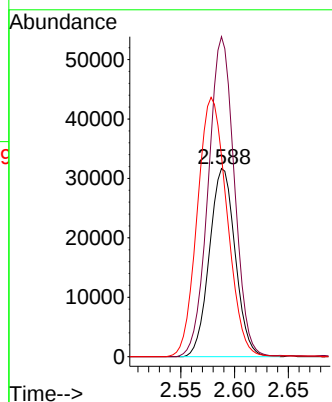
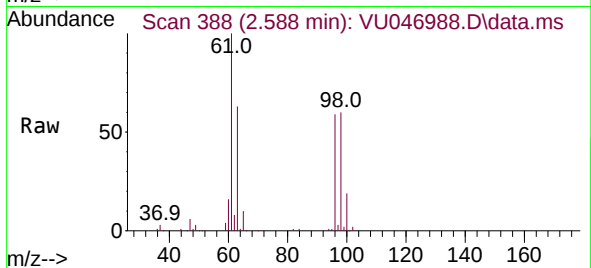
Tgt Ion: 96 Resp: 52899

Ion Ratio Lower Upper

96 100

61 170.0 124.7 231.5

63 106.7 105.2 195.4



#19

1,1-Dichloroethane

Concen: 0.291 ug/L

RT: 3.880 min Scan# 790

Delta R.T. 0.003 min

Lab File: VU046988.D

Acq: 02 Feb 2022 01:47

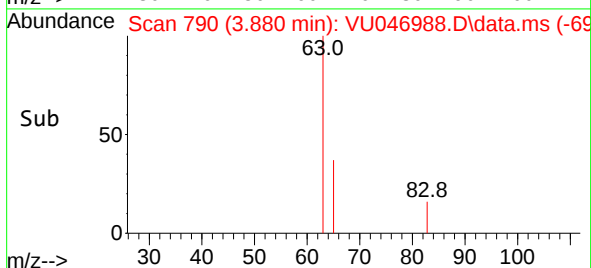
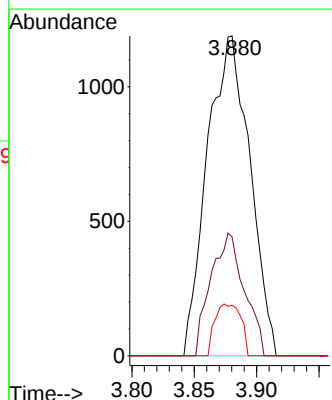
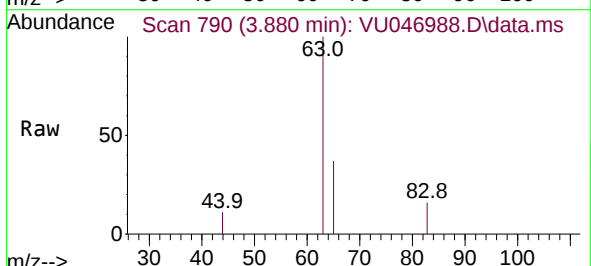
Tgt Ion: 63 Resp: 2823

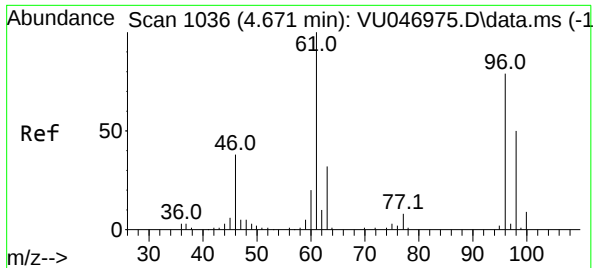
Ion Ratio Lower Upper

63 100

65 37.3 22.3 41.5

83 15.8 9.6 17.8

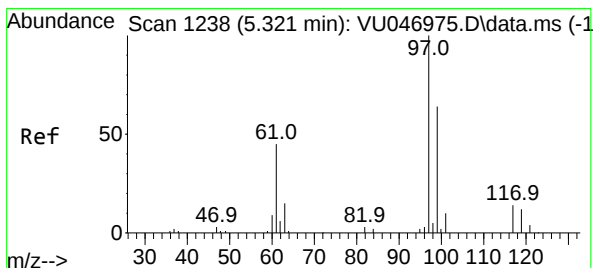
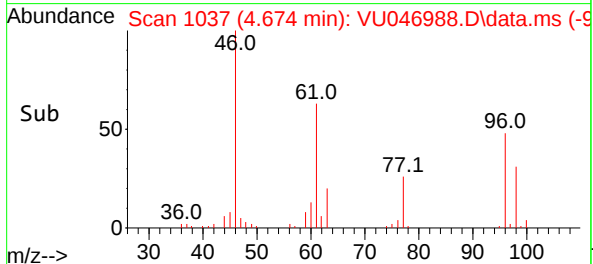
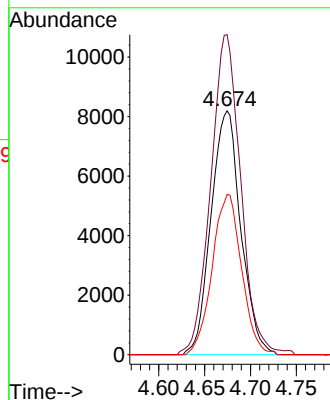
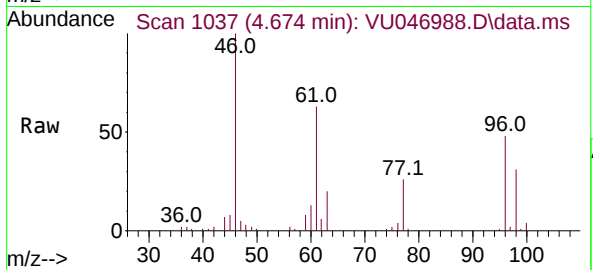




#22
 cis-1,2-Dichloroethene
 Concen: 3.036 ug/L
 RT: 4.674 min Scan# 1036
 Delta R.T. 0.003 min
 Lab File: VU046988.D
 Acq: 02 Feb 2022 01:47

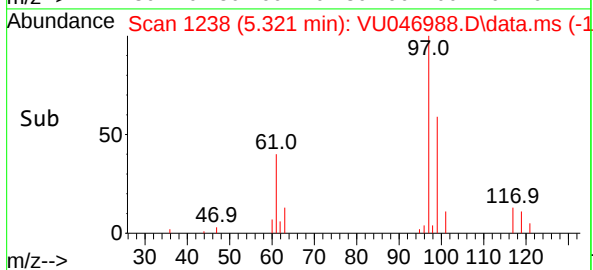
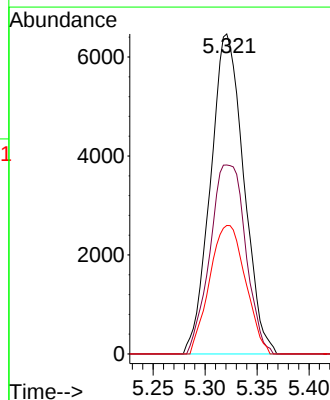
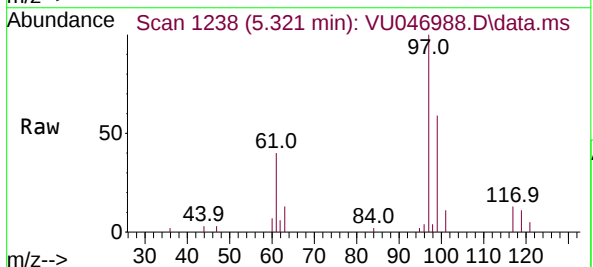
Instrument :
 MSVOA_U
 ClientSampleId :
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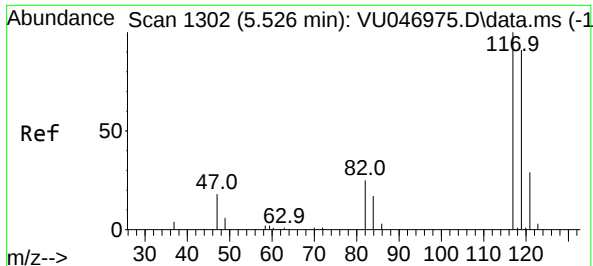
Tgt Ion: 96 Resp: 18507
 Ion Ratio Lower Upper
 96 100
 61 131.2 88.5 164.3
 98 65.7 44.4 82.5



#29
 1,1,1-Trichloroethane
 Concen: 1.391 ug/L
 RT: 5.321 min Scan# 1238
 Delta R.T. 0.000 min
 Lab File: VU046988.D
 Acq: 02 Feb 2022 01:47

Tgt Ion: 97 Resp: 14392
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.3 76.9
 61 43.2 36.1 54.1

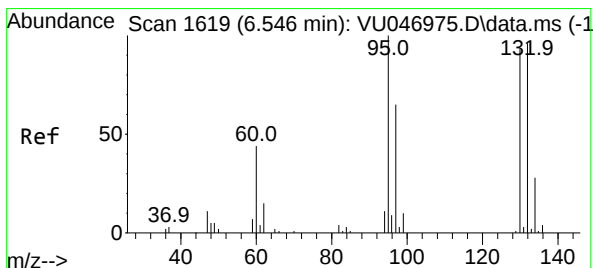
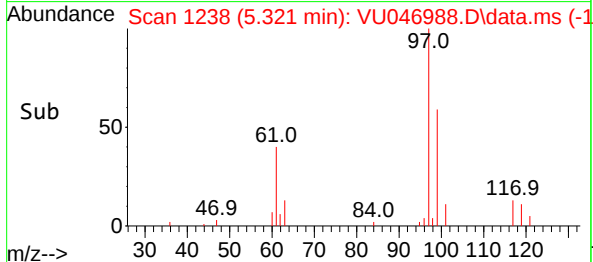
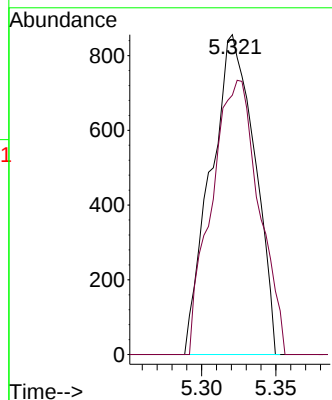
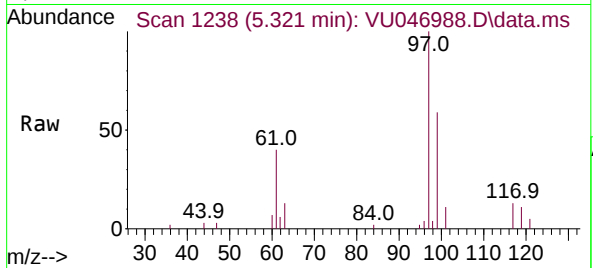




#31
Carbon tetrachloride
Concen: 0.198 ug/L
RT: 5.321 min Scan# 117
Delta R.T. -0.206 min
Lab File: VU046988.D
Acq: 02 Feb 2022 01:47

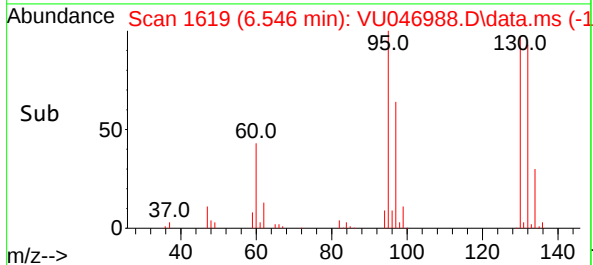
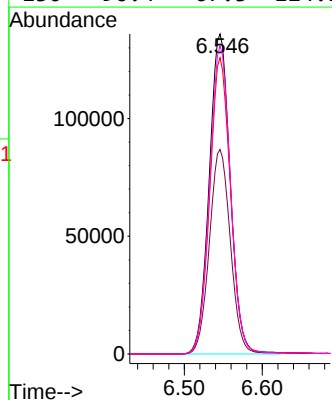
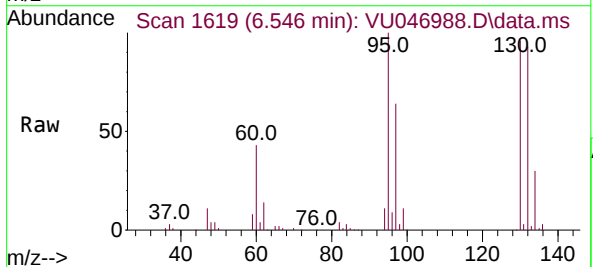
Instrument :
MSVOA_U
ClientSampleId :
C0HQ3

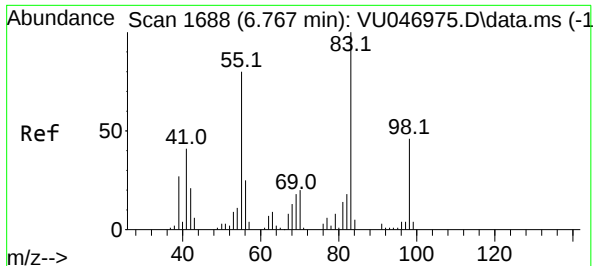
Tgt Ion:117 Resp: 1761
Ion Ratio Lower Upper
117 100
119 92.3 77.5 116.3



#34
Trichloroethene
Concen: 36.279 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046988.D
Acq: 02 Feb 2022 01:47

Tgt Ion: 95 Resp: 254785
Ion Ratio Lower Upper
95 100
97 63.9 46.5 86.5
132 92.6 65.1 120.9
130 96.4 67.3 124.9





#35

Methylcyclohexane

Concen: 0.965 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU046988.D

Acq: 02 Feb 2022 01:47

Instrument :

MSVOA_U

ClientSampleId :

C0HQ3

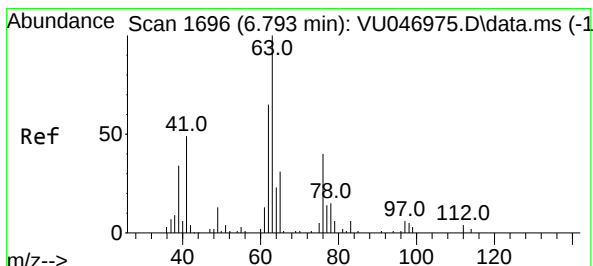
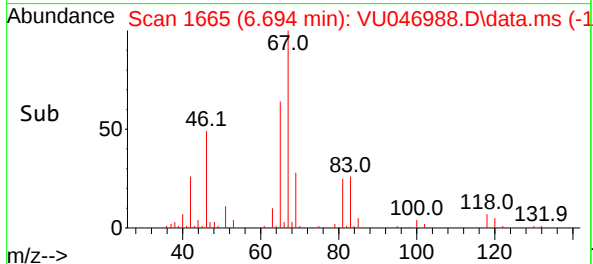
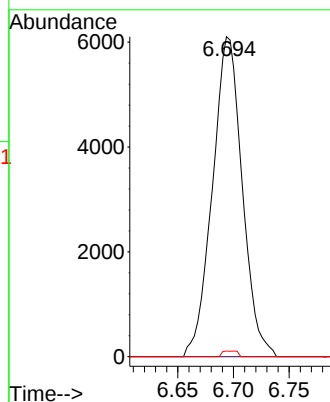
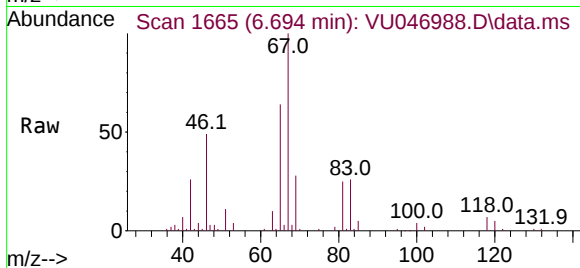
Tgt Ion: 83 Resp: 11351

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: 0.722 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.103 min

Lab File: VU046988.D

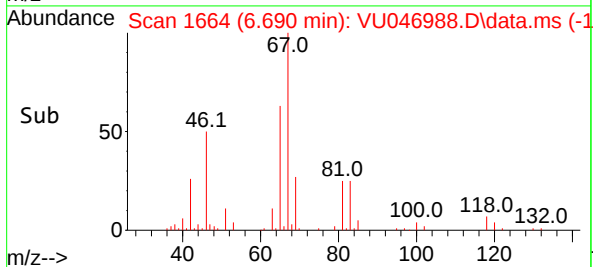
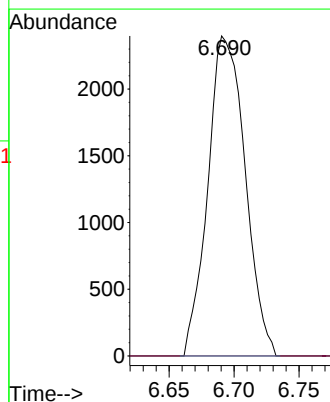
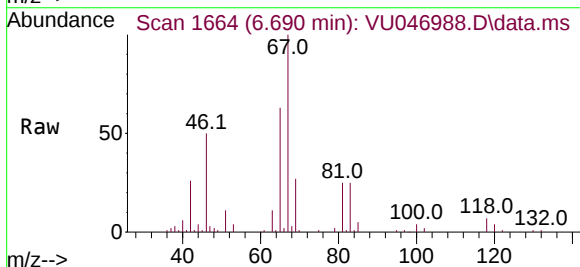
Acq: 02 Feb 2022 01:47

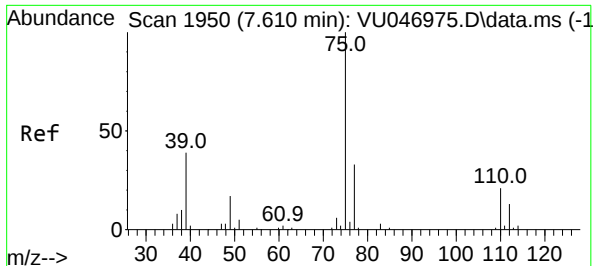
Tgt Ion: 63 Resp: 4790

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046988.D

Acq: 02 Feb 2022 01:47

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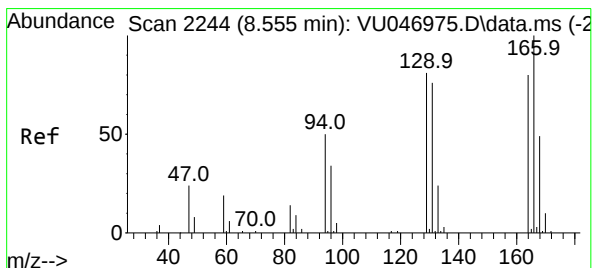
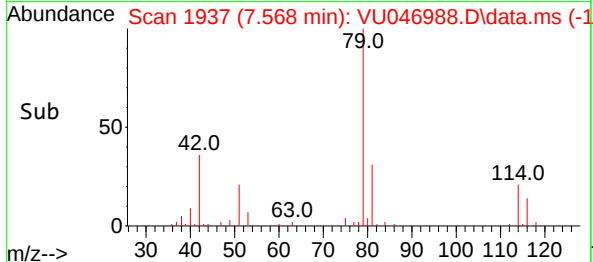
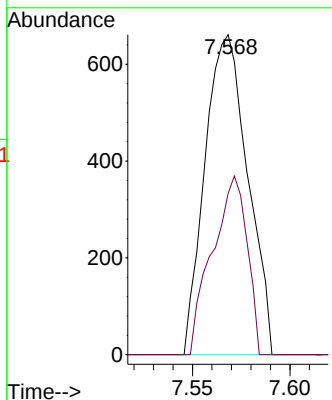
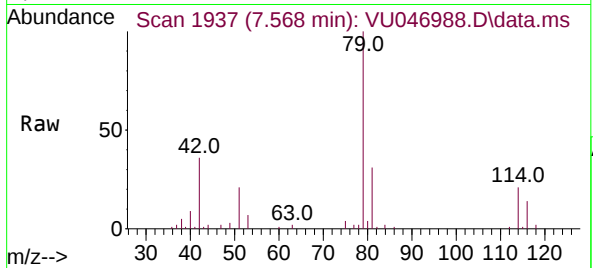
C0HQ3

Tgt Ion: 75 Resp: 1007

Ion Ratio Lower Upper

75 100

77 50.4 22.5 41.9#



#47

Tetrachloroethene

Concen: 11.306 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU046988.D

Acq: 02 Feb 2022 01:47

Tgt Ion:164 Resp: 64577

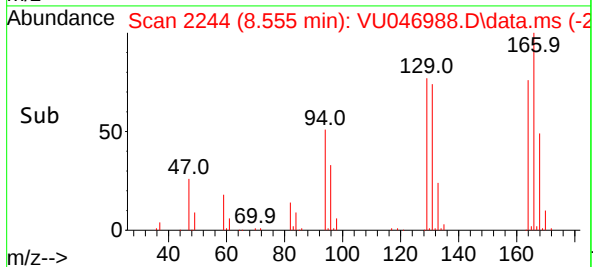
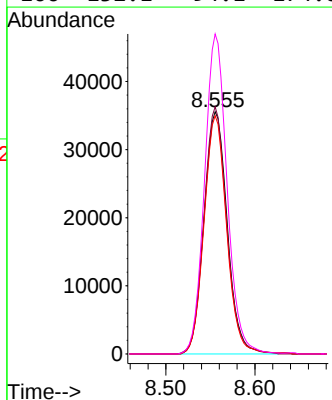
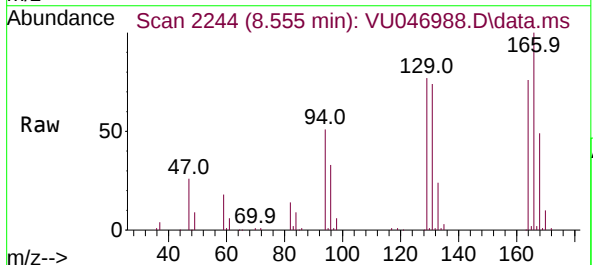
Ion Ratio Lower Upper

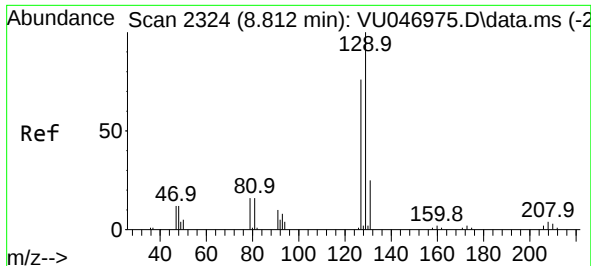
164 100

129 102.1 71.8 133.4

131 98.4 68.5 127.3

166 132.1 94.1 174.8





#49

Dibromochloromethane

Concen: 9.643 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046988.D

Acq: 02 Feb 2022 01:47

Instrument :

MSVOA_U

ClientSampleId :

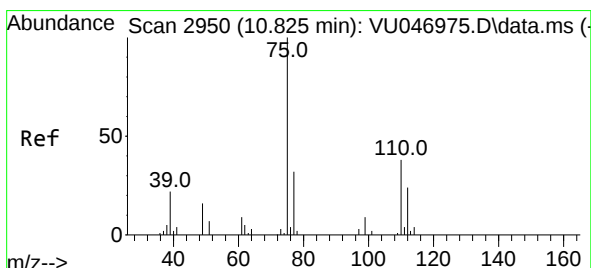
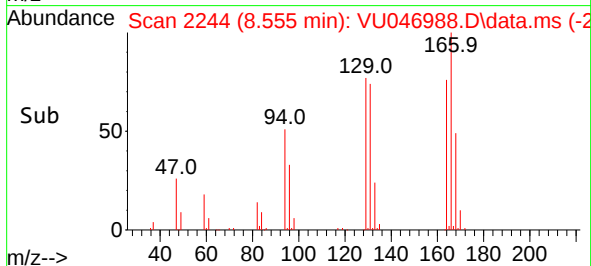
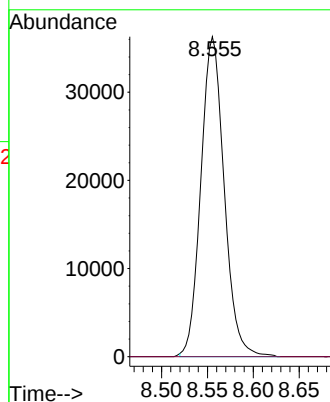
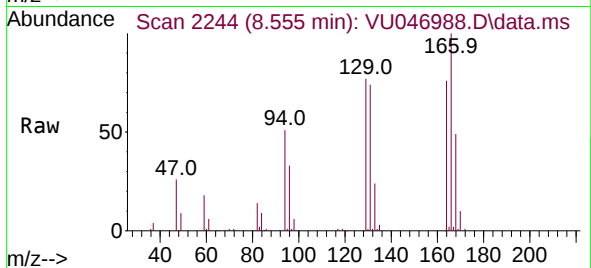
C0HQ3

Tgt Ion:129 Resp: 64217

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.499 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046988.D

Acq: 02 Feb 2022 01:47

Tgt Ion: 75 Resp: 6074

Ion Ratio Lower Upper

75 100

110 0.0 29.9 44.9#

77 33.1 25.5 38.3

