

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020122\
 Data File : VU046977.D
 Acq On : 01 Feb 2022 21:25
 Operator : SY/MD
 Sample : N1349-02 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0HP1

Quant Time: Feb 02 04:07:08 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)

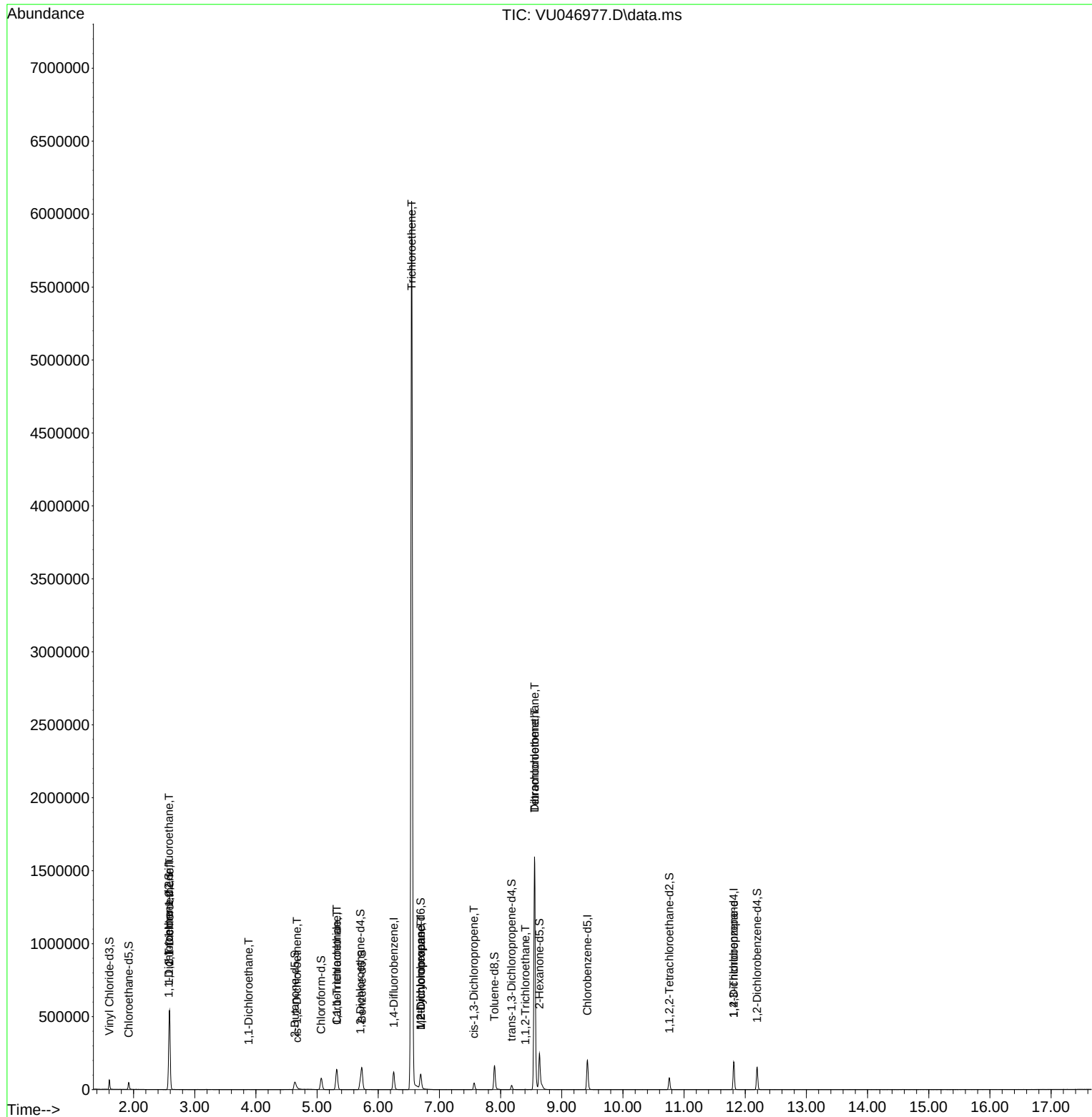
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	100400	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	120695	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	50320	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	46870	5.509	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.200%
7) Chloroethane-d5	1.919	69	37144	5.541	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.800%
11) 1,1-Dichloroethene-d2	2.575	65	19052	5.630	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	112.600%
20) 2-Butanone-d5	4.636	46	94622	37.543	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.080%
24) Chloroform-d	5.067	84	74627	4.997	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
26) 1,2-Dichloroethane-d4	5.706	65	40454	4.974	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.732	84	146703	4.136	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
36) 1,2-Dichloropropane-d6	6.694	67	47933	4.501	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.000%
41) Toluene-d8	7.899	98	118578	3.652	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.000%
43) trans-1,3-Dichloroprop...	8.179	79	17615	3.766	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.400%
46) 2-Hexanone-d5	8.636	63	100405	36.253	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.500%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	41481	3.879	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	39737	4.211	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.200%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	1010	0.172	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	171566	30.604	ug/L #	65
19) 1,1-Dichloroethane	3.880	63	1284	0.126	ug/L #	89
22) cis-1,2-Dichloroethene	4.671	96	1457	0.227	ug/L	90
29) 1,1,1-Trichloroethane	5.321	97	102739	9.451	ug/L	99
31) Carbon tetrachloride	5.321	117	12679	1.359	ug/L	99
34) Trichloroethene	6.546	95	2105944	285.439	ug/L	98
35) Methylcyclohexane	6.694	83	11760	0.952	ug/L #	17
37) 1,2-Dichloropropane	6.697	63	4902	0.703	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	1097	0.101	ug/L #	76
45) 1,1,2-Trichloroethane	8.404	97	957	0.161	ug/L #	82
47) Tetrachloroethene	8.555	164	353410	58.897	ug/L	97
49) Dibromochloromethane	8.555	129	353484	50.528	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	6711	1.574	ug/L #	67

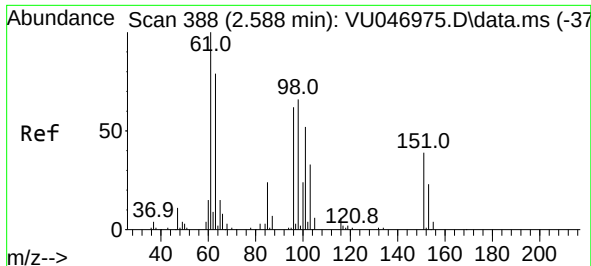
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 02 03:49:05 2022
Response via : Initial Calibration





#10

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

Concen: 0.172 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.010 min

Lab File: VU046977.D

Acq: 01 Feb 2022 21:25

Instrument :

MSVOA_U

ClientSampleId :

C0HP1

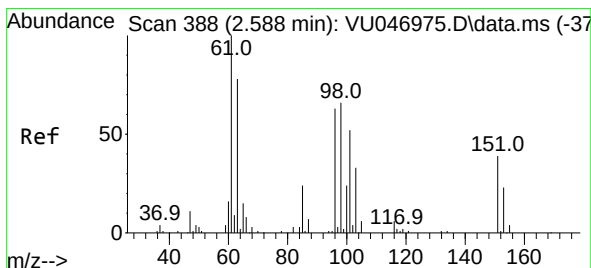
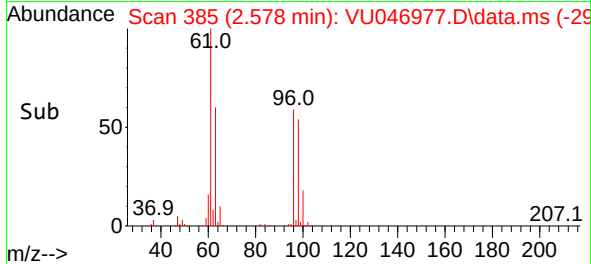
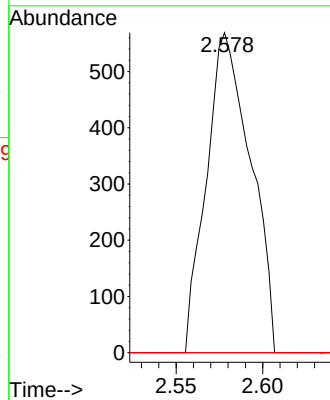
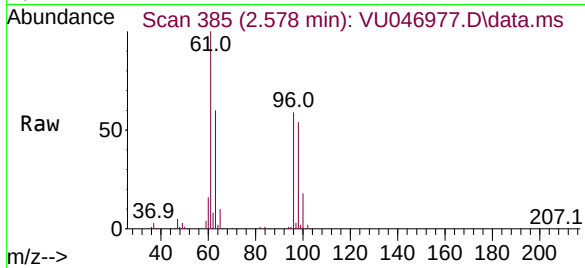
Tgt Ion:101 Resp: 1010

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: 30.604 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU046977.D

Acq: 01 Feb 2022 21:25

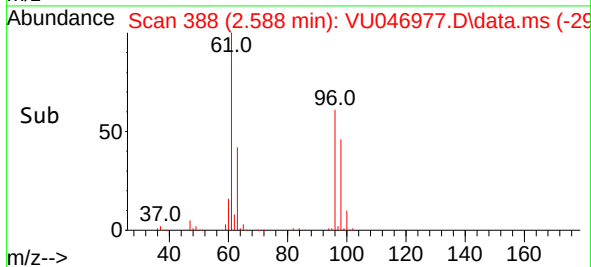
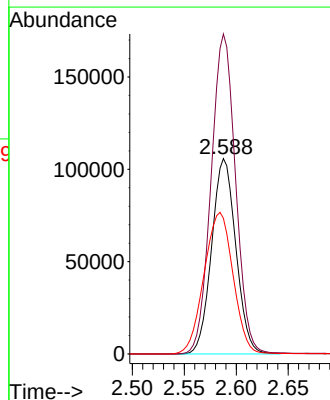
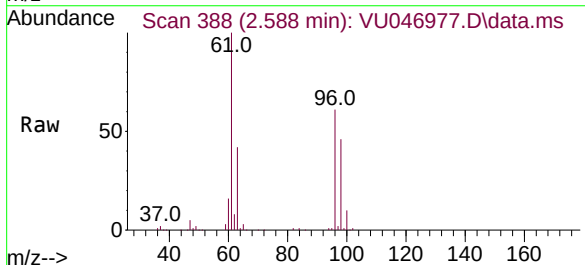
Tgt Ion: 96 Resp: 171566

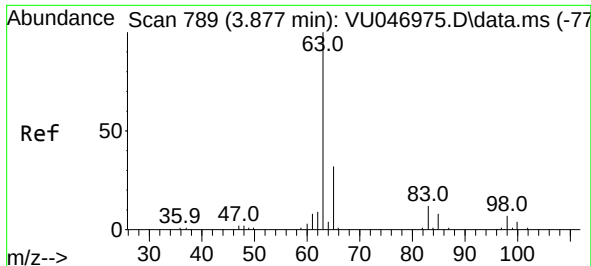
Ion Ratio Lower Upper

96 100

61 163.8 124.7 231.5

63 69.5 105.2 195.4#





#19

1,1-Dichloroethane

Concen: 0.126 ug/L

RT: 3.880 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU046977.D

Acq: 01 Feb 2022 21:25

Instrument :

MSVOA_U

ClientSampleId :

C0HP1

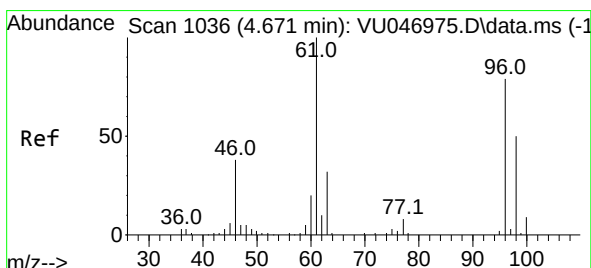
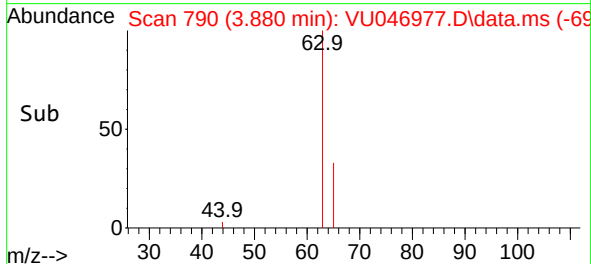
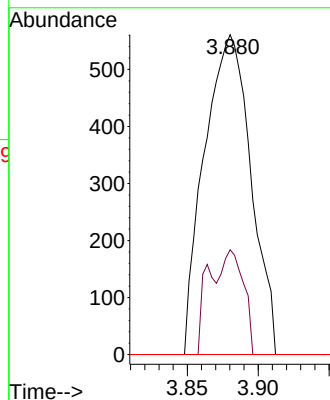
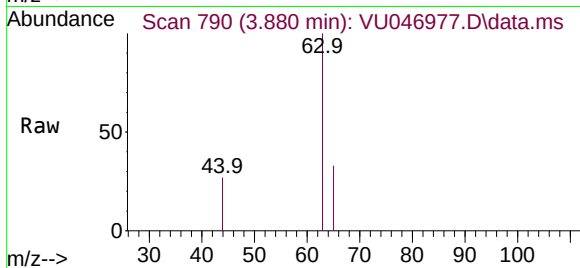
Tgt Ion: 63 Resp: 1284

Ion Ratio Lower Upper

63 100

65 32.8 22.3 41.5

83 0.0 9.6 17.8#



#22

cis-1,2-Dichloroethene

Concen: 0.227 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046977.D

Acq: 01 Feb 2022 21:25

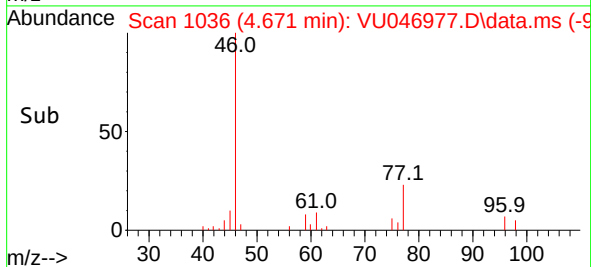
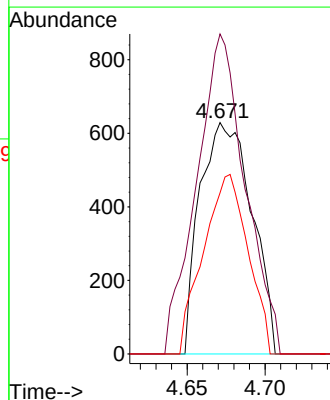
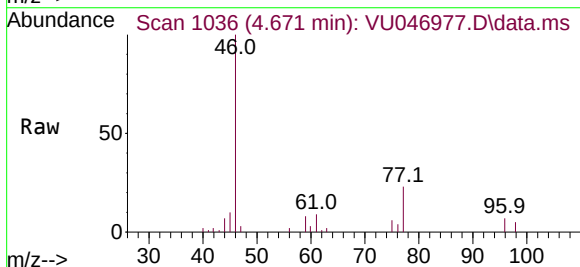
Tgt Ion: 96 Resp: 1457

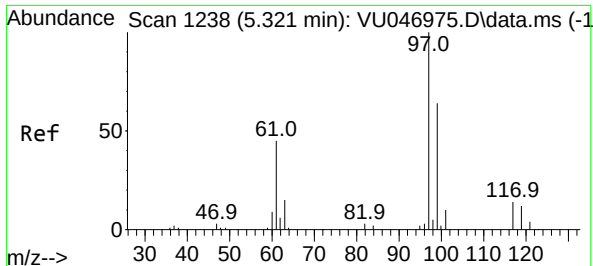
Ion Ratio Lower Upper

96 100

61 138.3 88.5 164.3

98 69.6 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 9.451 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046977.D

Acq: 01 Feb 2022 21:25

Instrument :

MSVOA_U

ClientSampleId :

C0HP1

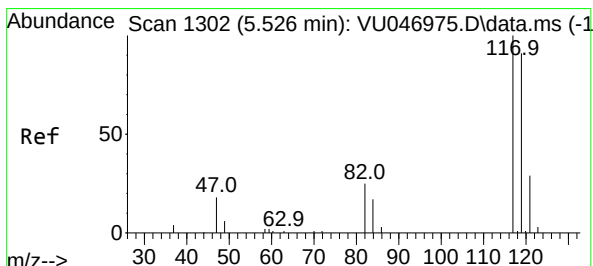
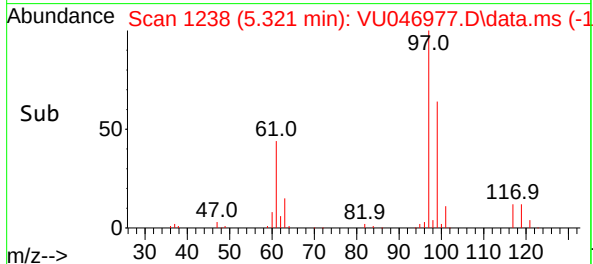
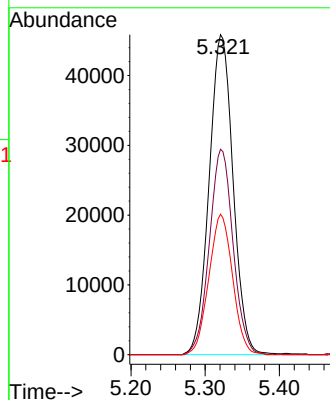
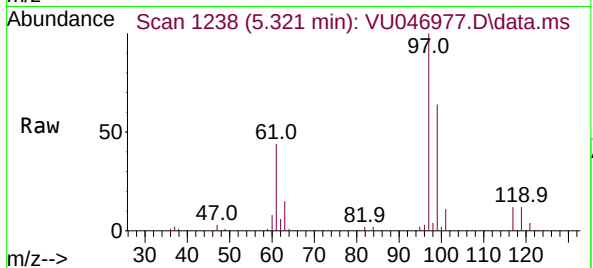
Tgt Ion: 97 Resp: 102739

Ion Ratio Lower Upper

97 100

99 63.7 51.3 76.9

61 43.5 36.1 54.1



#31

Carbon tetrachloride

Concen: 1.359 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.206 min

Lab File: VU046977.D

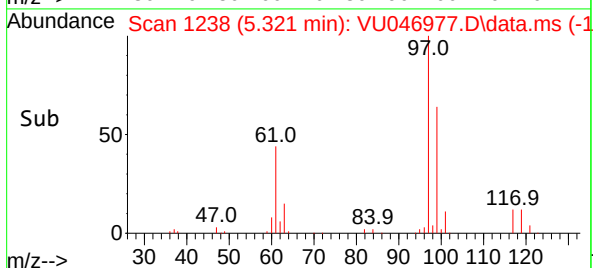
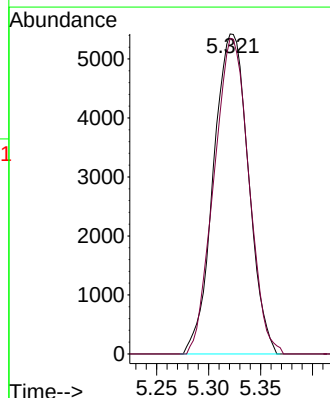
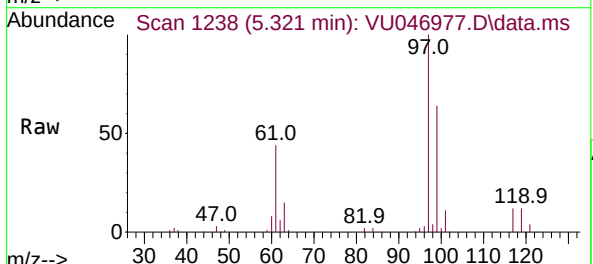
Acq: 01 Feb 2022 21:25

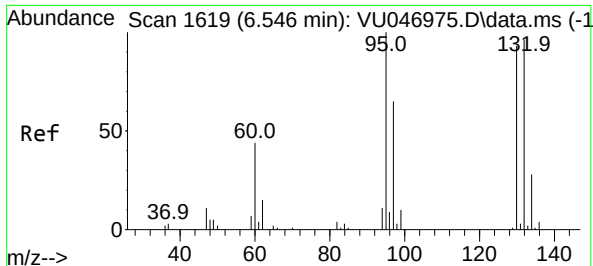
Tgt Ion: 117 Resp: 12679

Ion Ratio Lower Upper

117 100

119 98.0 77.5 116.3





#34

Trichloroethene

Concen: 285.439 ug/L

RT: 6.546 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046977.D

Acq: 01 Feb 2022 21:25

Instrument :

MSVOA_U

ClientSampleId :

C0HP1

Tgt Ion: 95 Resp: 2105944

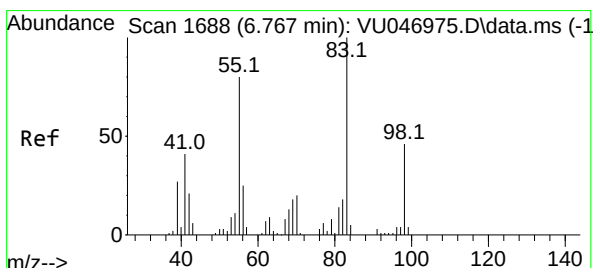
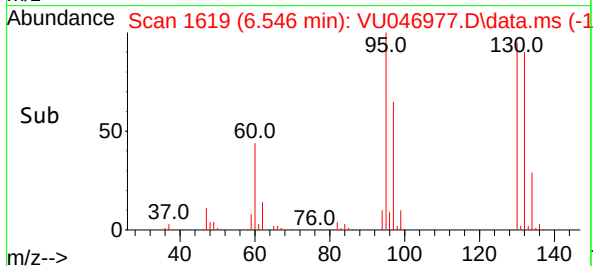
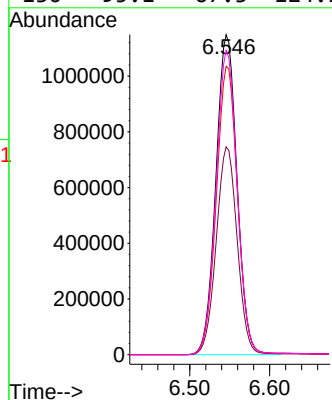
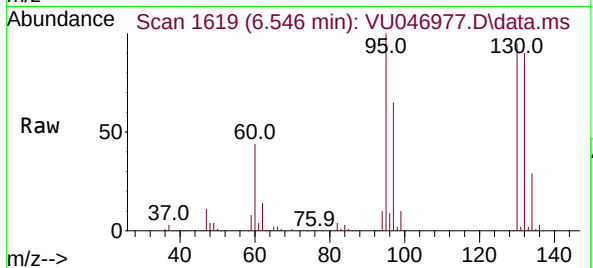
Ion Ratio Lower Upper

95 100

97 64.9 46.5 86.5

132 90.1 65.1 120.9

130 95.1 67.3 124.9



#35

Methylcyclohexane

Concen: 0.952 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046977.D

Acq: 01 Feb 2022 21:25

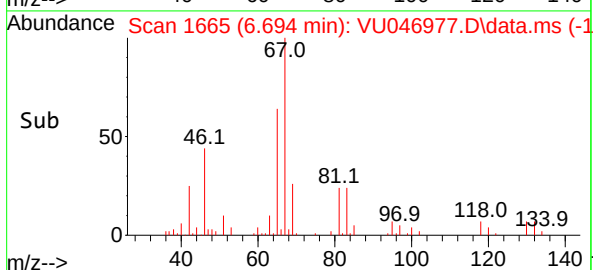
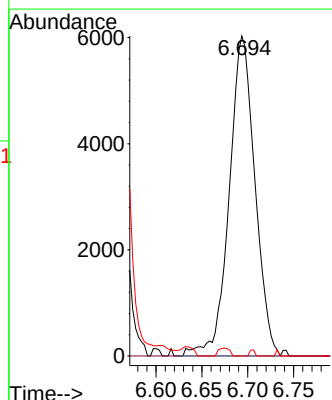
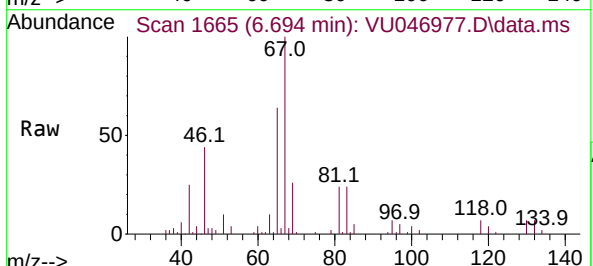
Tgt Ion: 83 Resp: 11760

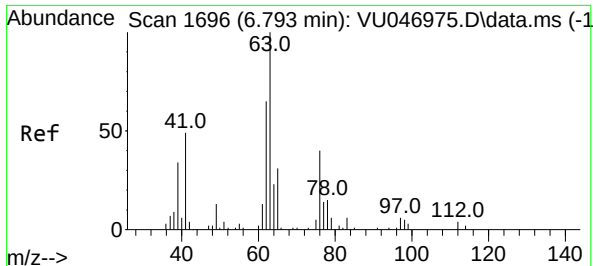
Ion Ratio Lower Upper

83 100

55 0.0 61.9 92.9#

98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.703 ug/L

RT: 6.697 min Scan# 1

Delta R.T. -0.096 min

Lab File: VU046977.D

Acq: 01 Feb 2022 21:25

Instrument :

MSVOA_U

ClientSampleId :

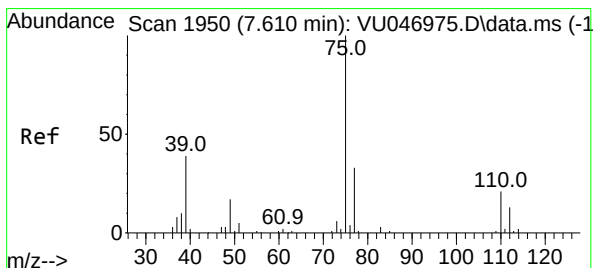
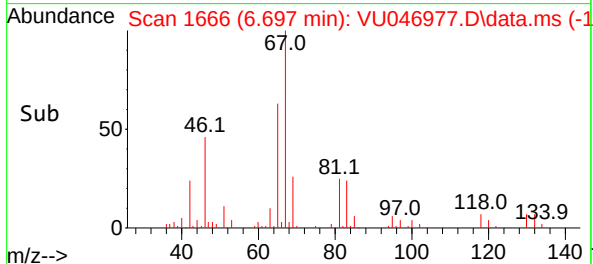
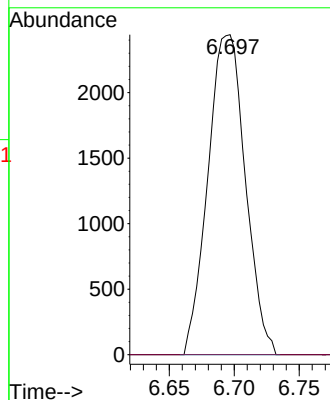
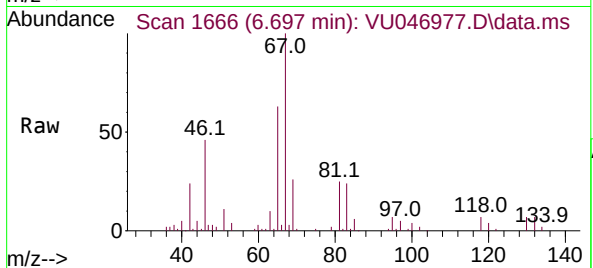
C0HP1

Tgt Ion: 63 Resp: 4902

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046977.D

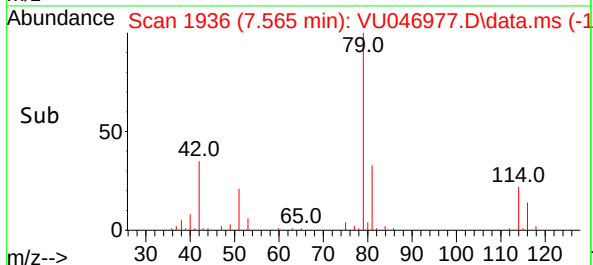
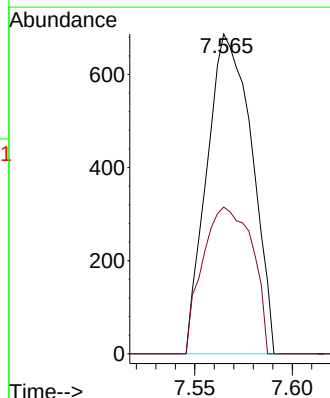
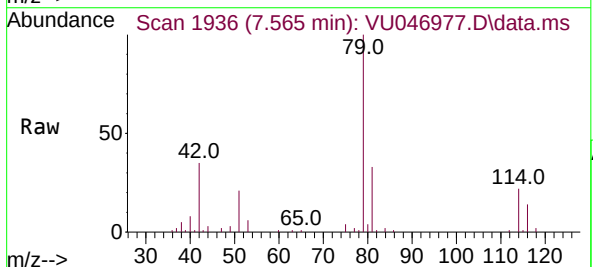
Acq: 01 Feb 2022 21:25

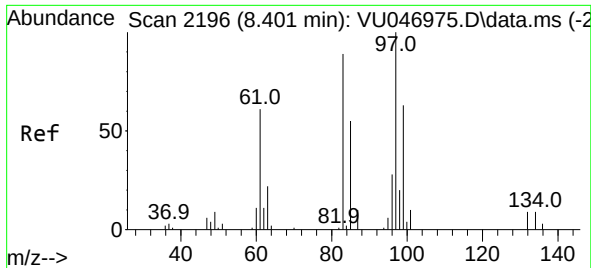
Tgt Ion: 75 Resp: 1097

Ion Ratio Lower Upper

75 100

77 45.9 22.5 41.9#



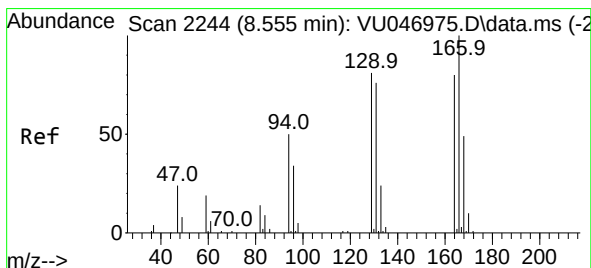
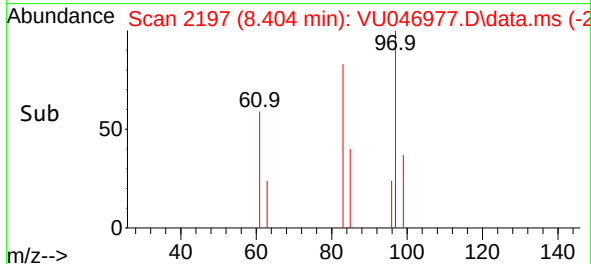
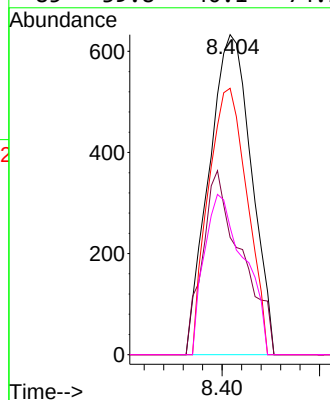
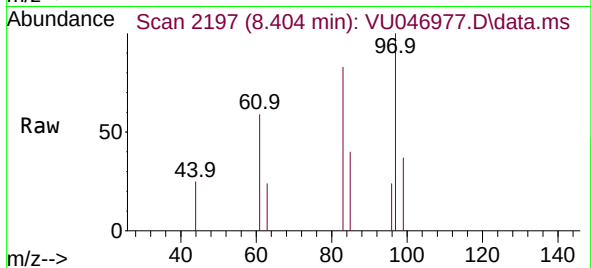


#45
1,1,2-Trichloroethane
Concen: 0.161 ug/L
RT: 8.404 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU046977.D
Acq: 01 Feb 2022 21:25

Instrument :
MSVOA_U
ClientSampleId :
C0HP1

Tgt Ion: 97 Resp: 957

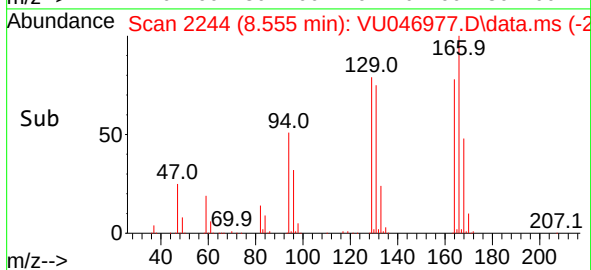
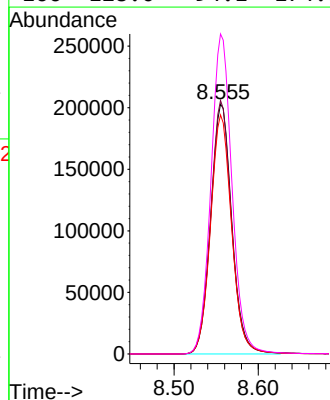
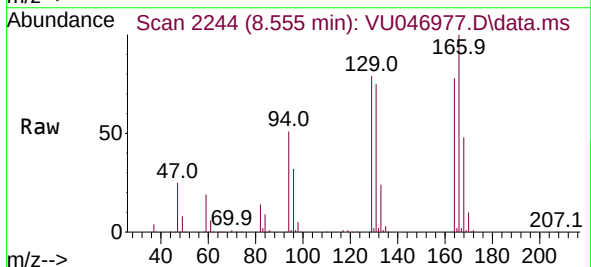
Ion	Ratio	Lower	Upper
97	100		
99	36.7	42.3	78.5#
83	83.3	62.0	115.2
85	39.8	40.1	74.5#

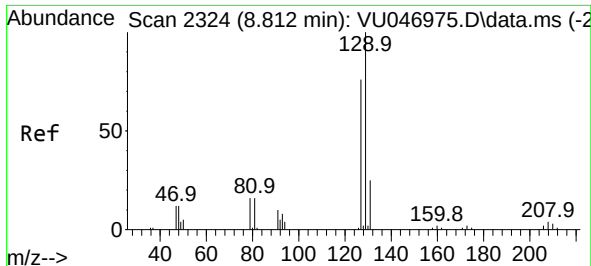


#47
Tetrachloroethene
Concen: 58.897 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046977.D
Acq: 01 Feb 2022 21:25

Tgt Ion: 164 Resp: 353410

Ion	Ratio	Lower	Upper
164	100		
129	101.5	71.8	133.4
131	95.6	68.5	127.3
166	128.0	94.1	174.8

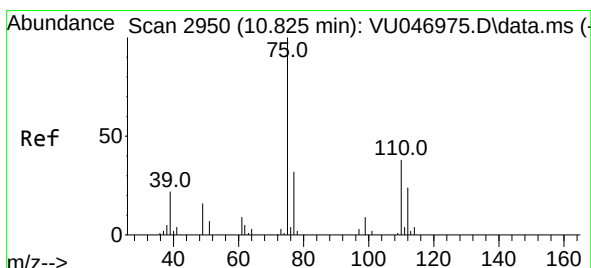
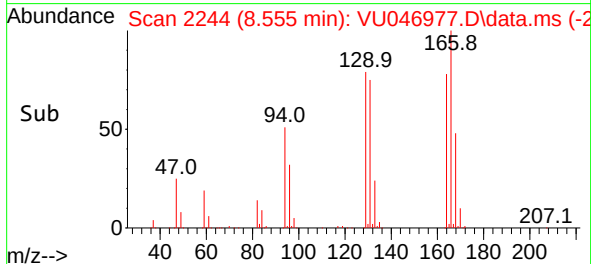
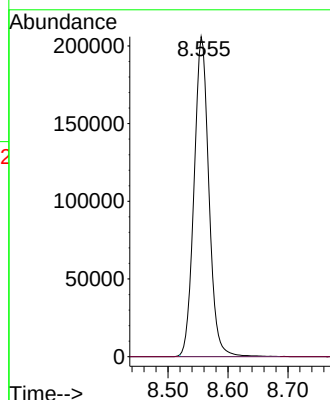
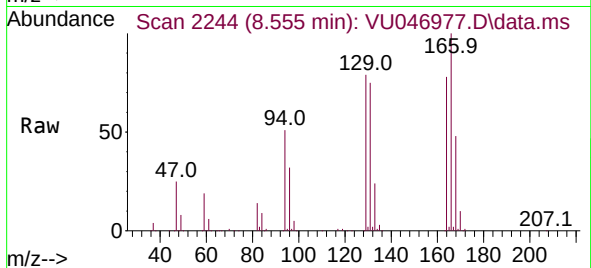




#49
Dibromochloromethane
Concen: 50.528 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046977.D
Acq: 01 Feb 2022 21:25

Instrument :
MSVOA_U
ClientSampleId :
C0HP1

Tgt Ion:129 Resp: 353484
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#61
1,2,3-Trichloropropane
Concen: 1.574 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046977.D
Acq: 01 Feb 2022 21:25

Tgt Ion: 75 Resp: 6711
Ion Ratio Lower Upper
75 100
110 1.8 29.9 44.9#
77 30.6 25.5 38.3

