

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122721\
 Data File : VU046603.D
 Acq On : 27 Dec 2021 17:03
 Operator : SY/MD
 Sample : M5126-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J05

Quant Time: Dec 28 04:58:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 28 04:55:25 2021
 Response via : Initial Calibration

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

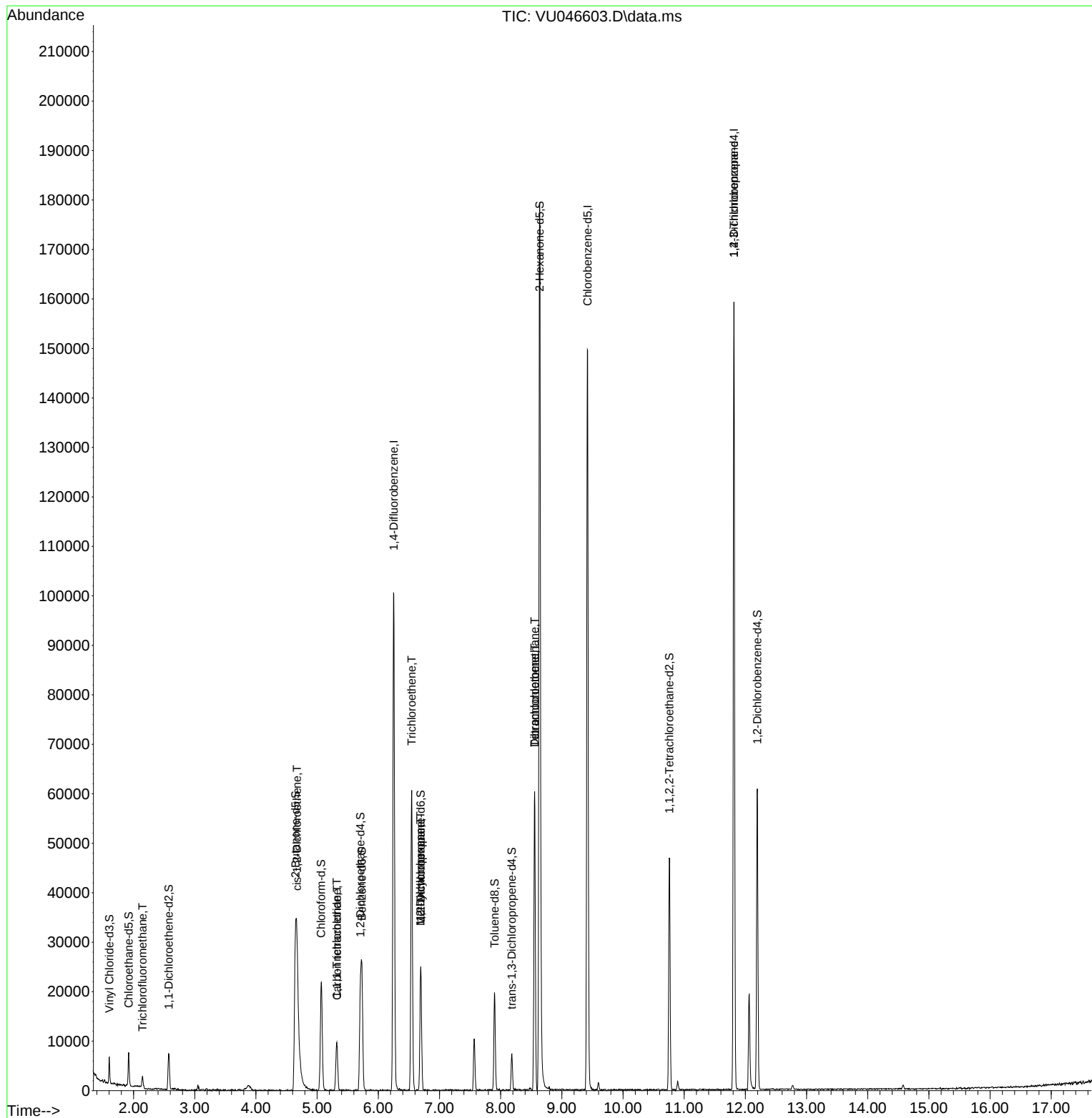
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	81582	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	85795	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	41923	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	3924	0.611	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	12.200%#
7) Chloroethane-d5	1.919	69	5230	1.034	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	20.600%#
11) 1,1-Dichloroethene-d2	2.575	65	1297	0.479	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	9.600%#
20) 2-Butanone-d5	4.649	46	82731	44.385	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.760%
24) Chloroform-d	5.067	84	20337	1.727	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	34.600%#
26) 1,2-Dichloroethane-d4	5.707	65	14125	2.098	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	42.000%#
32) Benzene-d6	5.732	84	23112	0.966	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	19.400%#
36) 1,2-Dichloropropane-d6	6.694	67	12248	1.704	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	34.000%#
41) Toluene-d8	7.899	98	13567	0.625	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	12.600%#
43) trans-1,3-Dichloroprop...	8.182	79	4521	1.360	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	27.200%#
46) 2-Hexanone-d5	8.636	63	69662	35.697	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.400%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	22564	3.059	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	61.200%#
66) 1,2-Dichlorobenzene-d4	12.195	152	15636	2.025	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	40.400%#
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.144	101	1431	0.103	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	3570	0.427	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	7889	0.556	ug/L	95
31) Carbon tetrachloride	5.324	117	865	0.073	ug/L	94
34) Trichloroethene	6.546	95	20714	2.305	ug/L	96
35) Methylcyclohexane	6.691	83	2805	0.221	ug/L #	23
37) 1,2-Dichloropropane	6.691	63	1402	0.161	ug/L #	88
47) Tetrachloroethene	8.555	164	13342	2.098	ug/L	93
49) Dibromochloromethane	8.555	129	12940	1.496	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	4719	0.678	ug/L #	67

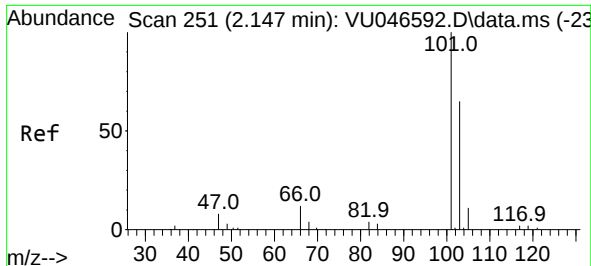
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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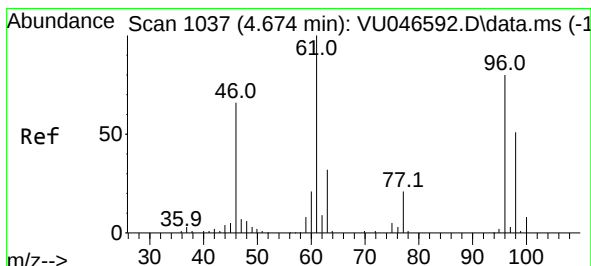
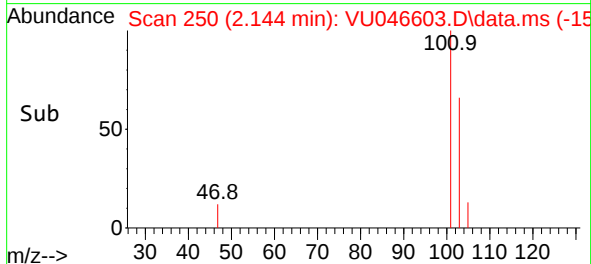
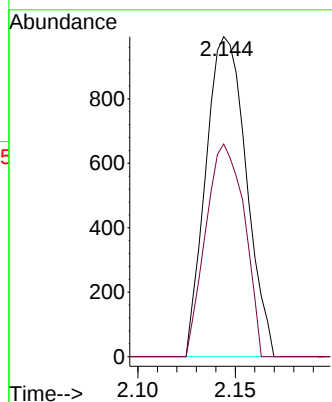
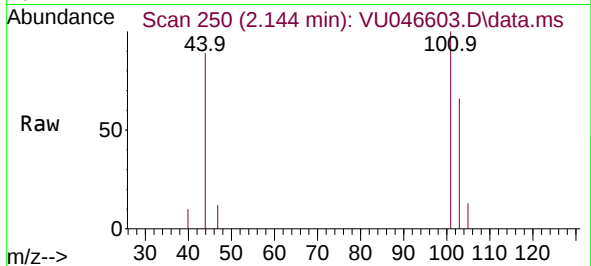




#9
Trichlorofluoromethane
Concen: 0.103 ug/L
RT: 2.144 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046603.D
Acq: 27 Dec 2021 17:03

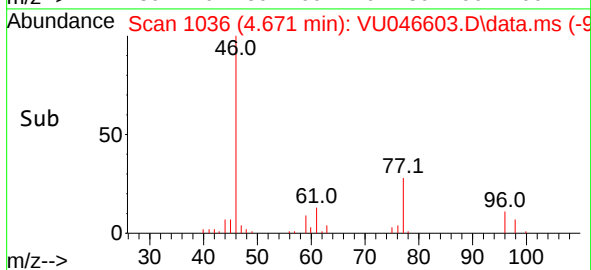
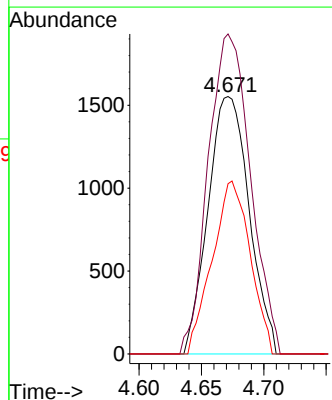
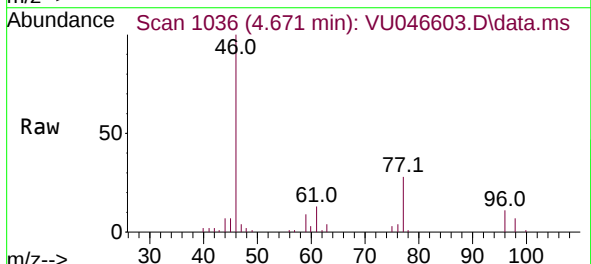
Instrument :
MSVOA_U
ClientSampleId :
C0J05

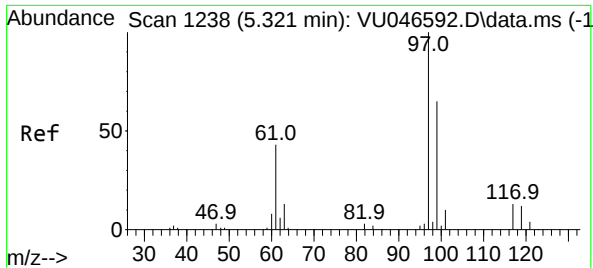
Tgt Ion:101 Resp: 1431
Ion Ratio Lower Upper
101 100
103 63.5 51.5 77.3



#22
cis-1,2-Dichloroethene
Concen: 0.427 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU046603.D
Acq: 27 Dec 2021 17:03

Tgt Ion: 96 Resp: 3570
Ion Ratio Lower Upper
96 100
61 124.3 88.5 164.3
98 66.1 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 0.556 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046603.D

Acq: 27 Dec 2021 17:03

Instrument :

MSVOA_U

ClientSampleId :

C0J05

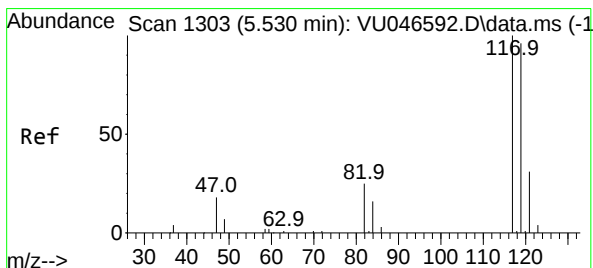
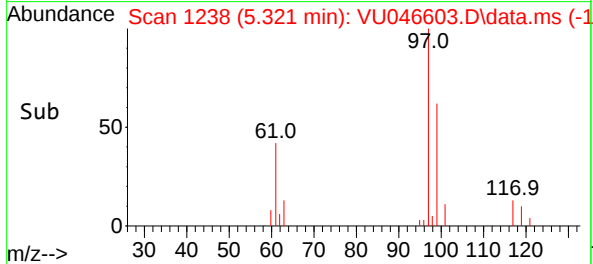
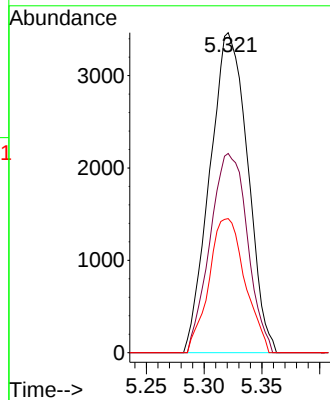
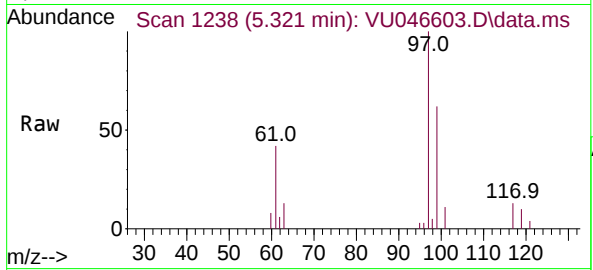
Tgt Ion: 97 Resp: 7889

Ion Ratio Lower Upper

97 100

99 61.5 51.3 76.9

61 39.9 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.073 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.206 min

Lab File: VU046603.D

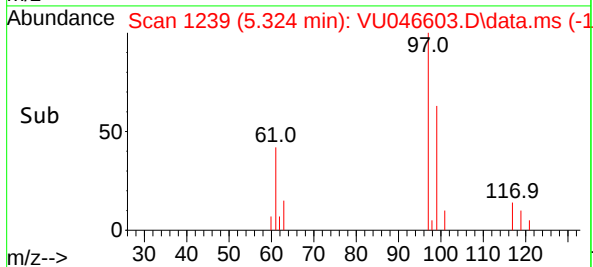
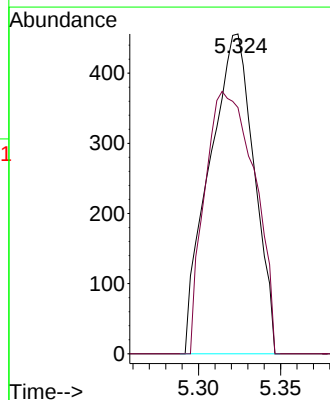
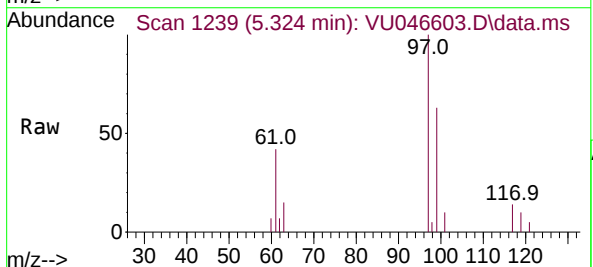
Acq: 27 Dec 2021 17:03

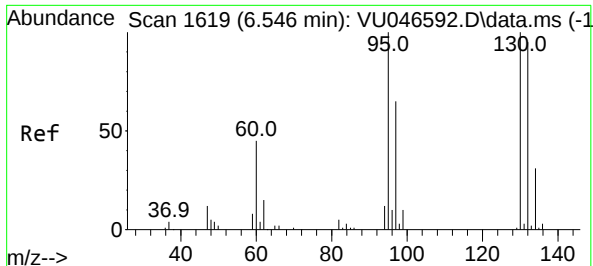
Tgt Ion: 117 Resp: 865

Ion Ratio Lower Upper

117 100

119 91.1 77.5 116.3

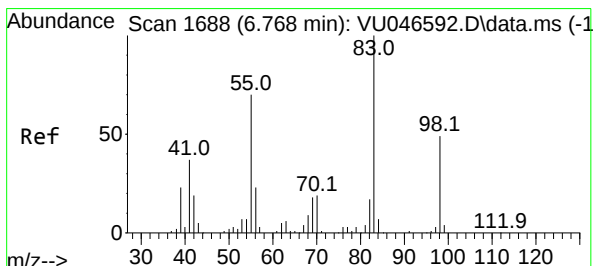
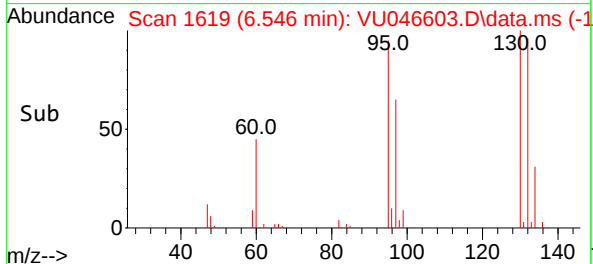
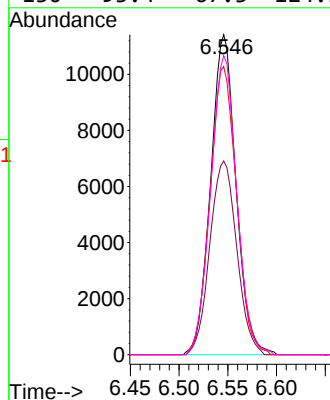
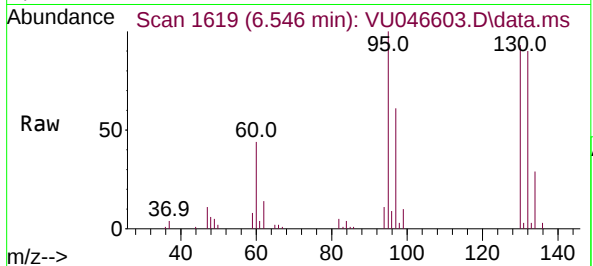




#34
Trichloroethene
Concen: 2.305 ug/L
RT: 6.546 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU046603.D
Acq: 27 Dec 2021 17:03

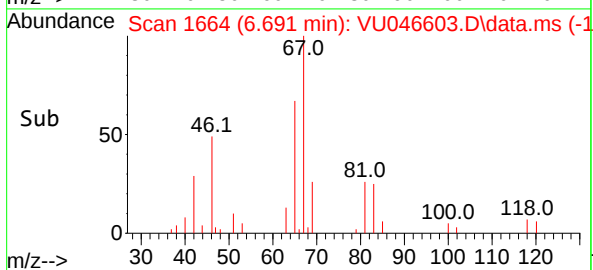
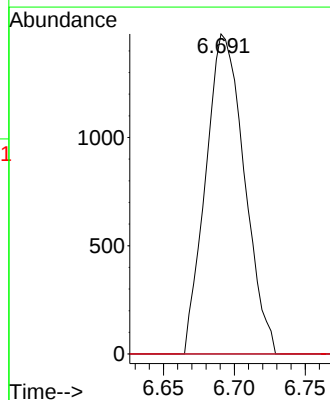
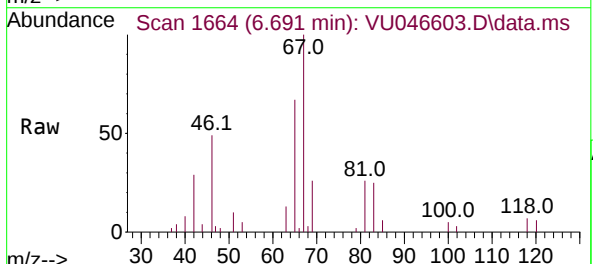
Instrument :
MSVOA_U
ClientSampleId :
C0J05

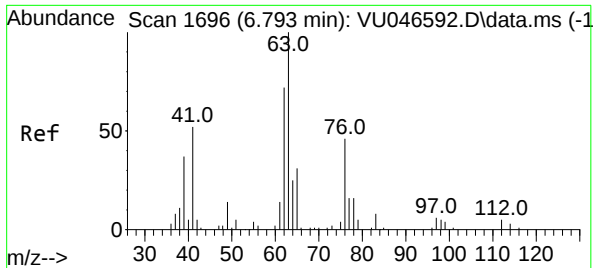
Tgt Ion: 95 Resp: 20714
Ion Ratio Lower Upper
95 100
97 60.6 46.5 86.5
132 90.1 65.1 120.9
130 93.4 67.3 124.9



#35
Methylcyclohexane
Concen: 0.221 ug/L
RT: 6.691 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046603.D
Acq: 27 Dec 2021 17:03

Tgt Ion: 83 Resp: 2805
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 9.8 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.161 ug/L

RT: 6.691 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046603.D

Acq: 27 Dec 2021 17:03

Instrument :

MSVOA_U

ClientSampleId :

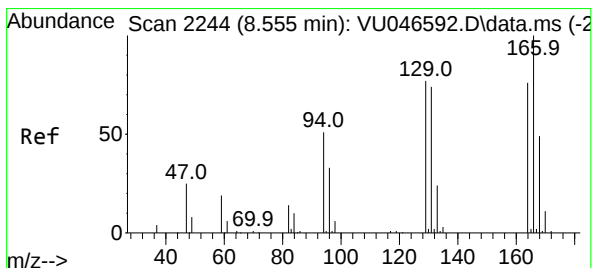
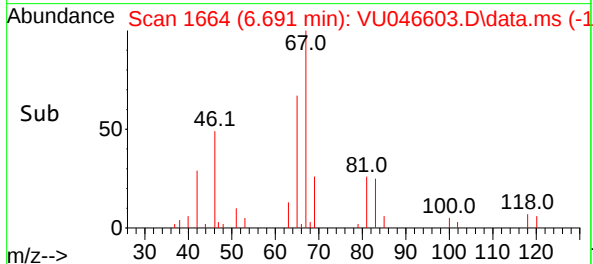
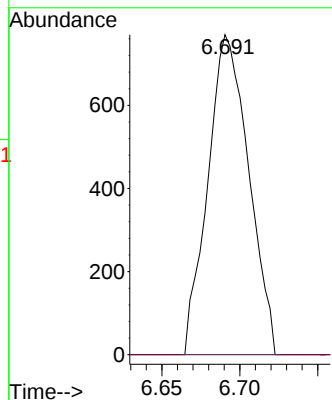
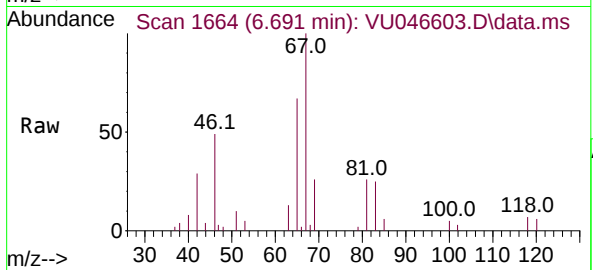
C0J05

Tgt Ion: 63 Resp: 1402

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#47

Tetrachloroethene

Concen: 2.098 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU046603.D

Acq: 27 Dec 2021 17:03

Tgt Ion: 164 Resp: 13342

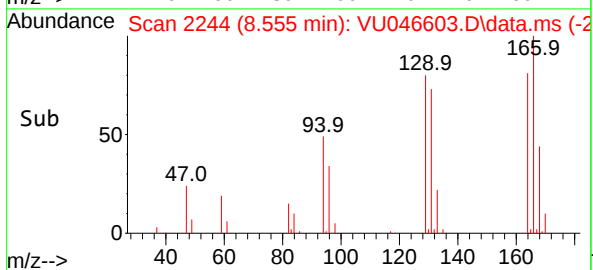
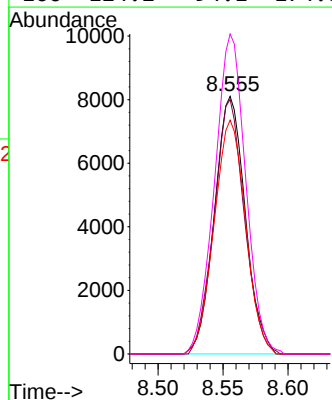
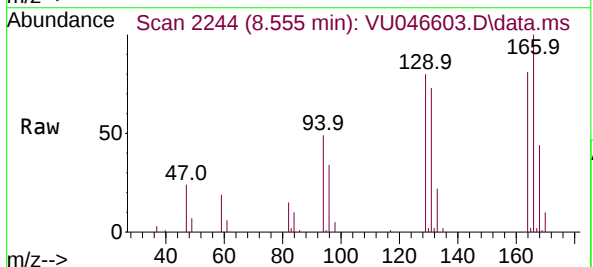
Ion Ratio Lower Upper

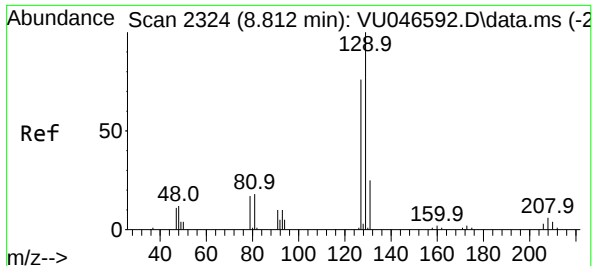
164 100

129 98.8 71.8 133.4

131 90.7 68.5 127.3

166 124.2 94.1 174.8





#49

Dibromochloromethane

Concen: 1.496 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046603.D

Acq: 27 Dec 2021 17:03

Instrument :

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ClientSampleId :

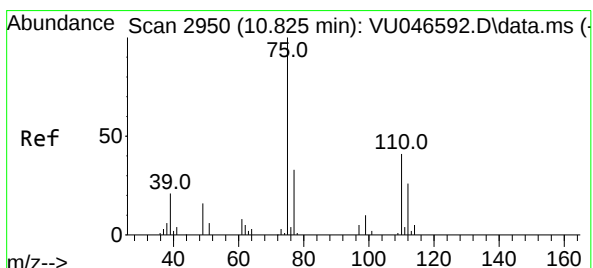
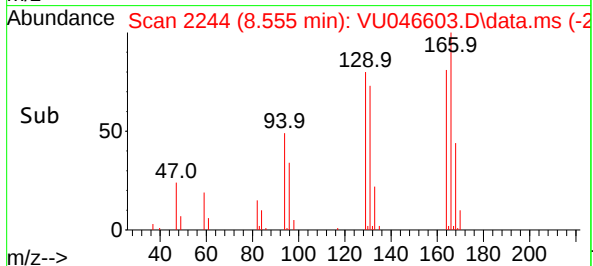
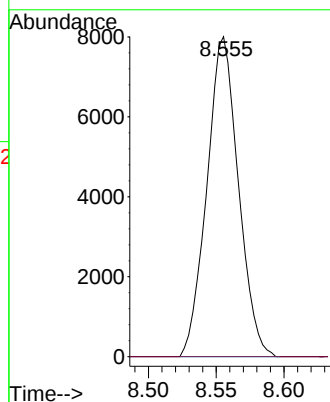
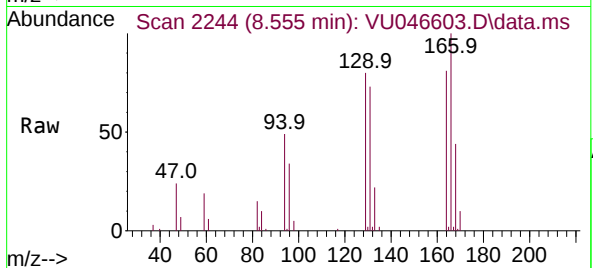
C0J05

Tgt Ion:129 Resp: 12940

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 0.678 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046603.D

Acq: 27 Dec 2021 17:03

Tgt Ion: 75 Resp: 4719

Ion Ratio Lower Upper

75 100

110 1.0 29.9 44.9#

77 32.0 25.5 38.3

