

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122821\
 Data File : VU046619.D
 Acq On : 28 Dec 2021 18:00
 Operator : SY/MD
 Sample : M5193-02RE
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 29 01:31:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 29 01:29:25 2021
 Response via : Initial Calibration

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

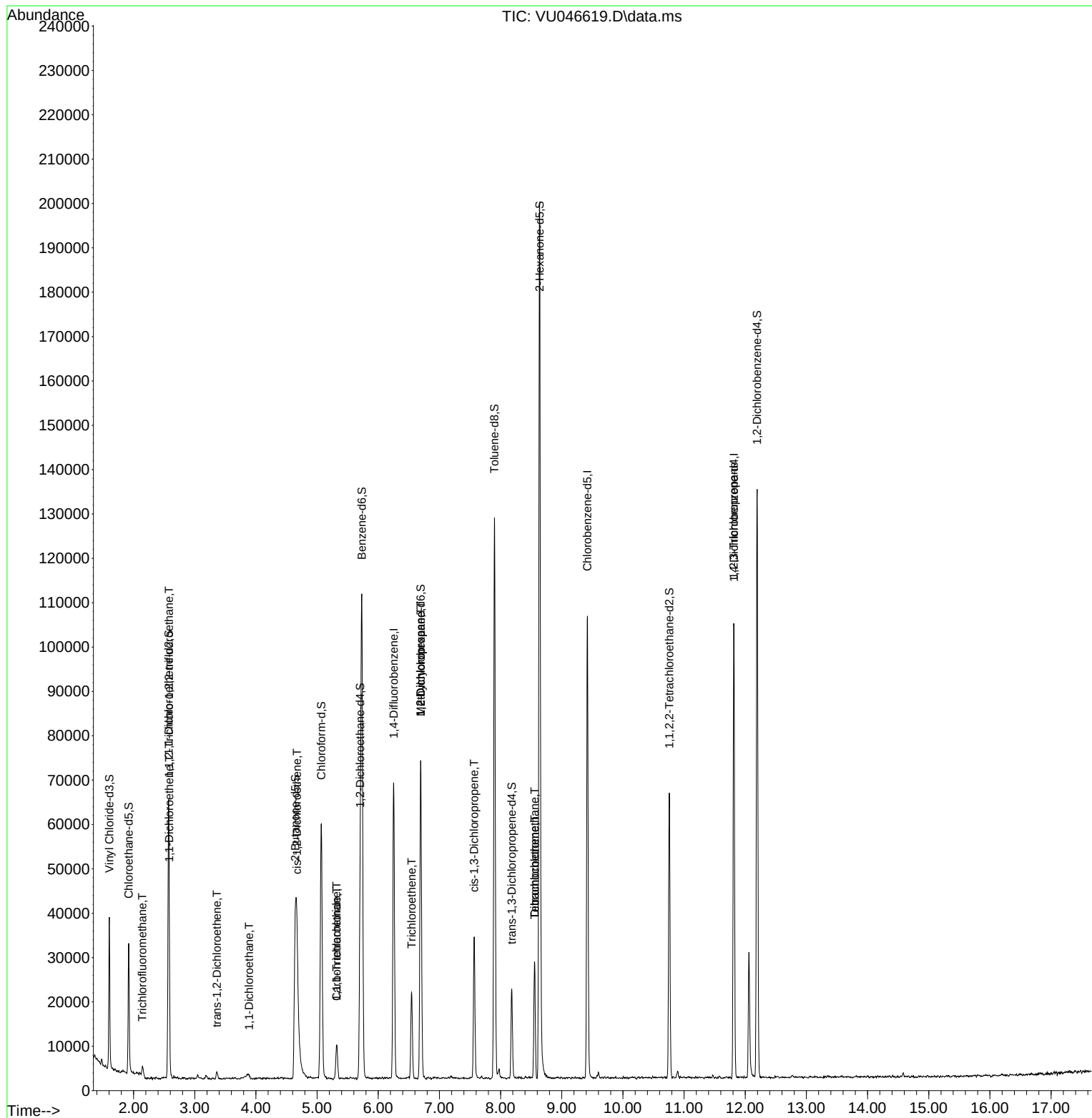
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	54109	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	57492	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	27219	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	23798	5.584	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.600%
7) Chloroethane-d5	1.919	69	22100	6.585	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	131.800%#
11) 1,1-Dichloroethene-d2	2.575	65	12030	6.694	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	133.800%#
20) 2-Butanone-d5	4.645	46	88521	71.604	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	143.200%#
24) Chloroform-d	5.070	84	55138	7.060	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	141.200%#
26) 1,2-Dichloroethane-d4	5.703	65	31420	7.038	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	140.800%#
32) Benzene-d6	5.732	84	103958	6.487	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	129.800%#
36) 1,2-Dichloropropane-d6	6.694	67	32914	6.835	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	136.600%
41) Toluene-d8	7.899	98	82587	5.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.600%
43) trans-1,3-Dichloroprop...	8.182	79	12460	5.594	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.800%
46) 2-Hexanone-d5	8.639	63	75825	57.984	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.960%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	31545	6.382	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	127.600%#
66) 1,2-Dichlorobenzene-d4	12.195	152	34245	6.830	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	136.600%#
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.144	101	1409	0.153	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	187	0.040	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	761	0.160	ug/L #	1
18) trans-1,2-Dichloroethene	3.362	96	760	0.150	ug/L	81
19) 1,1-Dichloroethane	3.887	63	1277	0.137	ug/L #	89
22) cis-1,2-Dichloroethene	4.671	96	5518	0.994	ug/L	96
29) 1,1,1-Trichloroethane	5.317	97	5921	0.623	ug/L	93
31) Carbon tetrachloride	5.317	117	668	0.084	ug/L	94
34) Trichloroethene	6.546	95	6929	1.151	ug/L	98
35) Methylcyclohexane	6.694	83	7985	0.940	ug/L #	18
37) 1,2-Dichloropropane	6.694	63	3793	0.651	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	828	0.094	ug/L #	79
47) Tetrachloroethene	8.558	164	5941	1.394	ug/L	93
49) Dibromochloromethane	8.555	129	5801	1.001	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	3348	0.741	ug/L #	65

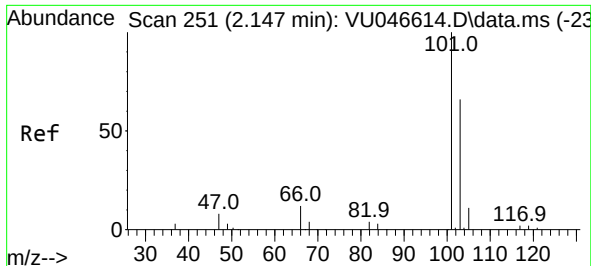
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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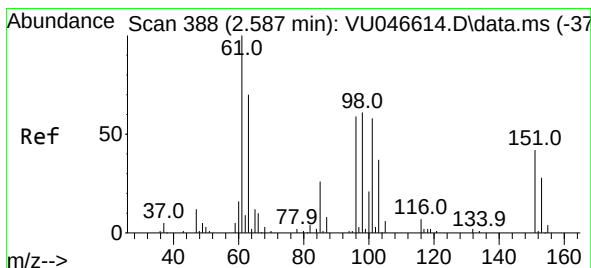
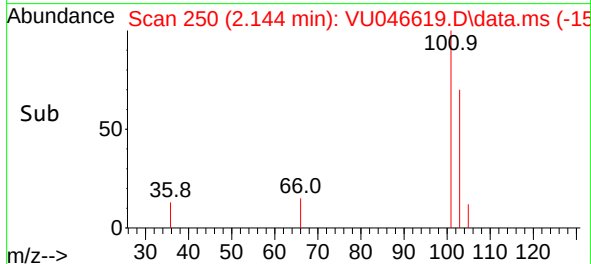
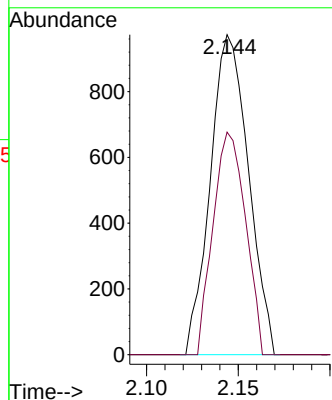
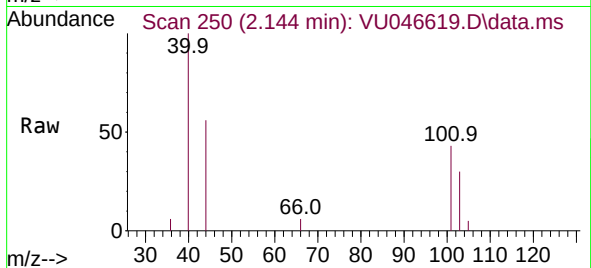




#9
 Trichlorofluoromethane
 Concen: 0.153 ug/L
 RT: 2.144 min Scan# 214
 Delta R.T. -0.003 min
 Lab File: VU046619.D
 Acq: 28 Dec 2021 18:00

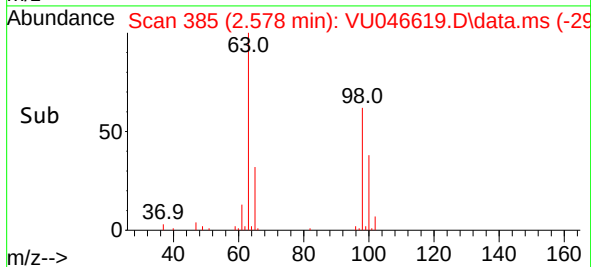
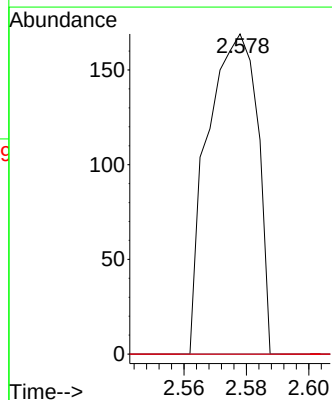
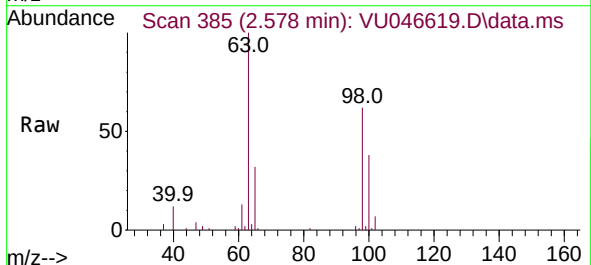
Instrument :
 MSVOA_U
 ClientSampleId :

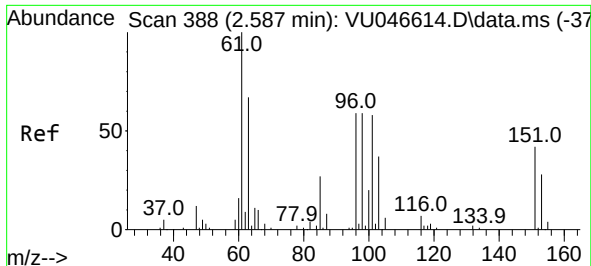
Tgt Ion:101 Resp: 1409
 Ion Ratio Lower Upper
 101 100
 103 59.0 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.040 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.010 min
 Lab File: VU046619.D
 Acq: 28 Dec 2021 18:00

Tgt Ion:101 Resp: 187
 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: 0.160 ug/L

RT: 2.584 min Scan# 388

Delta R.T. -0.003 min

Lab File: VU046619.D

Acq: 28 Dec 2021 18:00

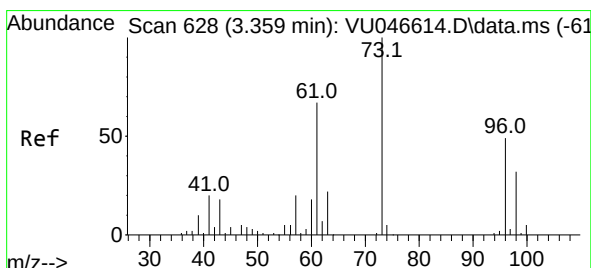
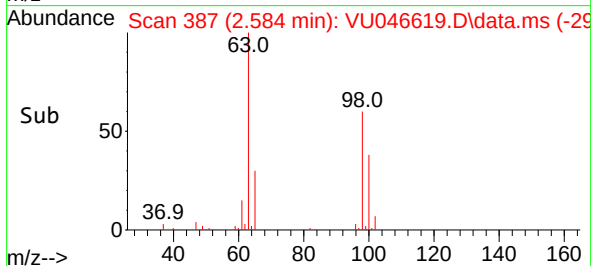
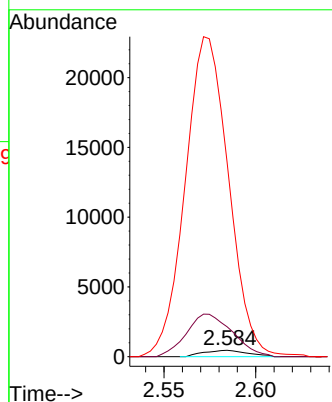
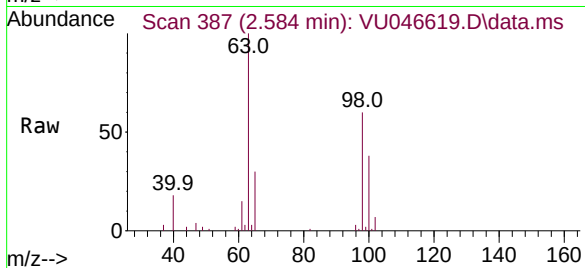
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 761

Ion	Ratio	Lower	Upper
96	100		
61	471.8	124.7	231.5#
63	3070.5	105.2	195.4#



#18

trans-1,2-Dichloroethene

Concen: 0.150 ug/L

RT: 3.362 min Scan# 629

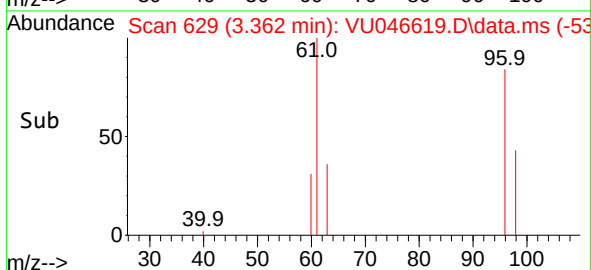
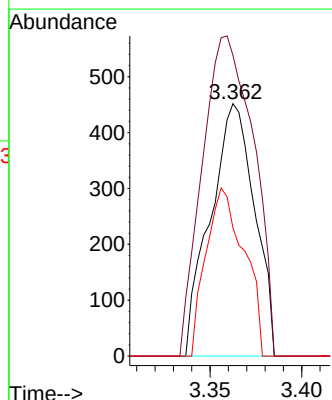
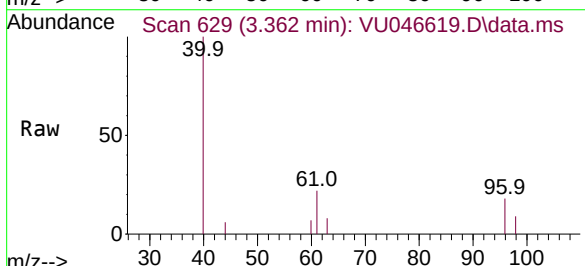
Delta R.T. 0.003 min

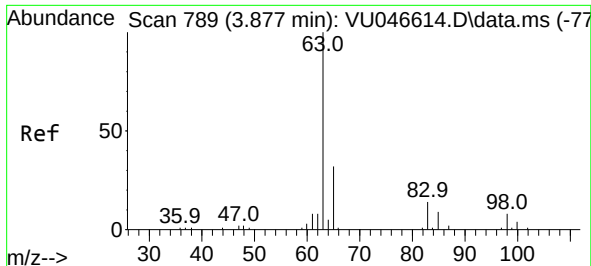
Lab File: VU046619.D

Acq: 28 Dec 2021 18:00

Tgt Ion: 96 Resp: 760

Ion	Ratio	Lower	Upper
96	100		
61	119.0	100.8	187.2
98	50.7	45.1	83.7





#19

1,1-Dichloroethane

Concen: 0.137 ug/L

RT: 3.887 min Scan# 71

Delta R.T. 0.010 min

Lab File: VU046619.D

Acq: 28 Dec 2021 18:00

Instrument :

MSVOA_U

ClientSampleId :

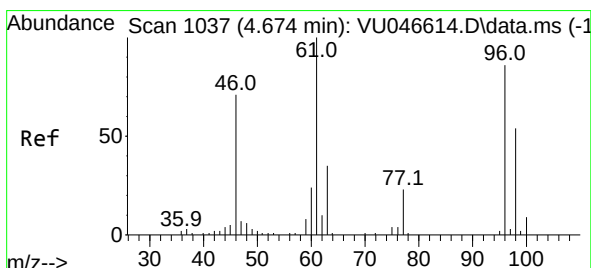
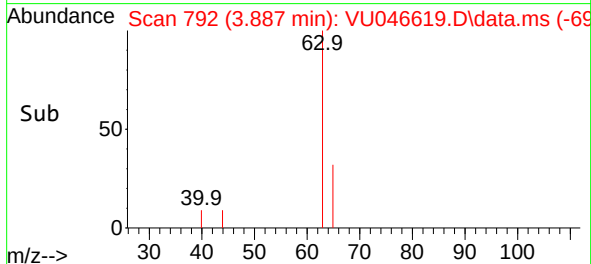
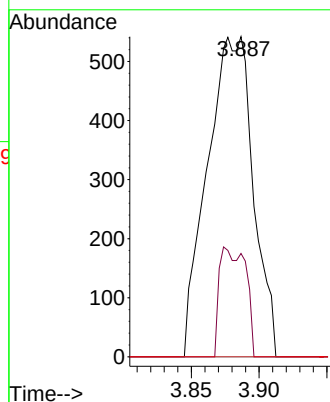
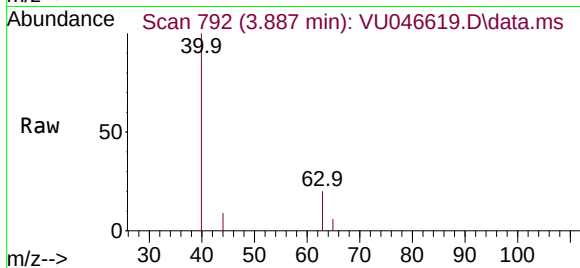
Tgt Ion: 63 Resp: 1277

Ion Ratio Lower Upper

63 100

65 32.3 22.3 41.5

83 0.0 9.6 17.8#



#22

cis-1,2-Dichloroethene

Concen: 0.994 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU046619.D

Acq: 28 Dec 2021 18:00

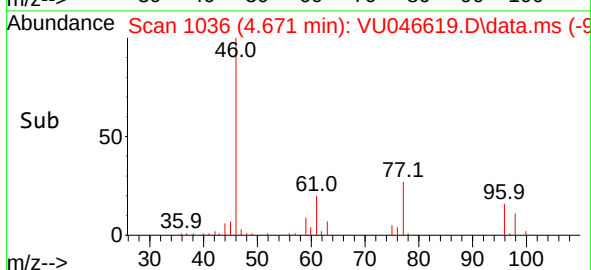
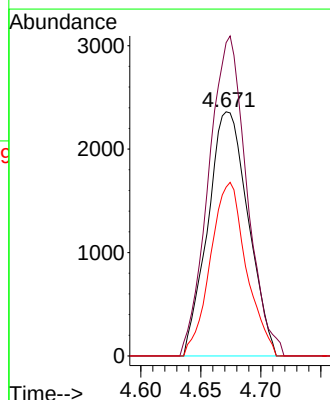
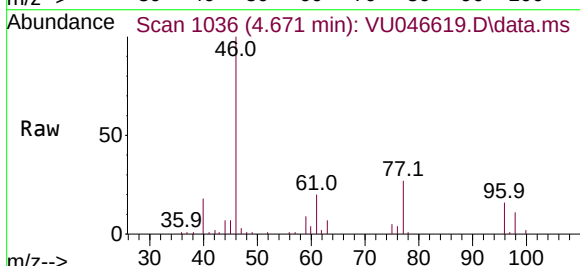
Tgt Ion: 96 Resp: 5518

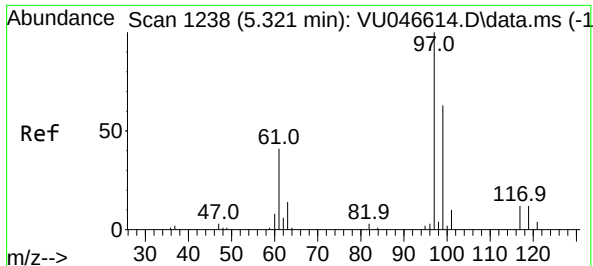
Ion Ratio Lower Upper

96 100

61 128.3 88.5 164.3

98 69.1 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 0.623 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU046619.D

Acq: 28 Dec 2021 18:00

Instrument :

MSVOA_U

ClientSampleId :

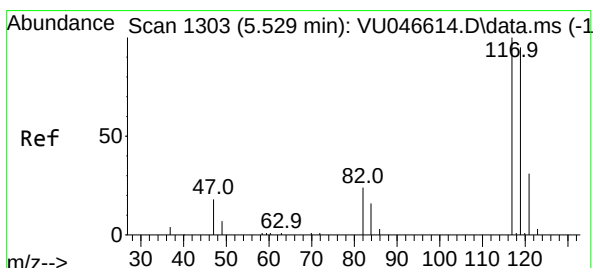
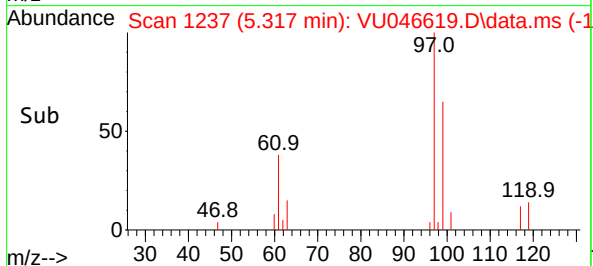
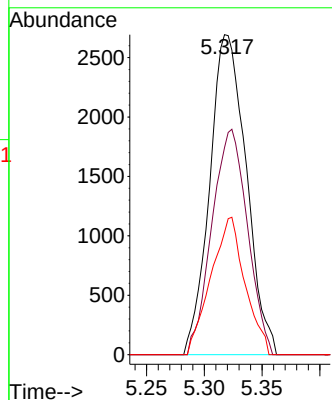
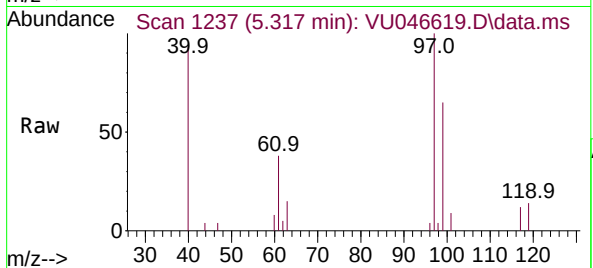
Tgt Ion: 97 Resp: 5921

Ion Ratio Lower Upper

97 100

99 68.6 51.3 76.9

61 40.2 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.084 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.212 min

Lab File: VU046619.D

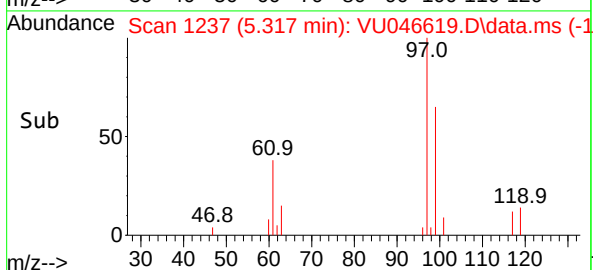
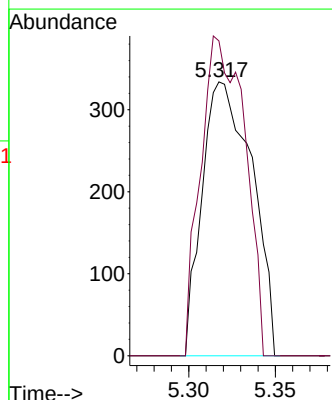
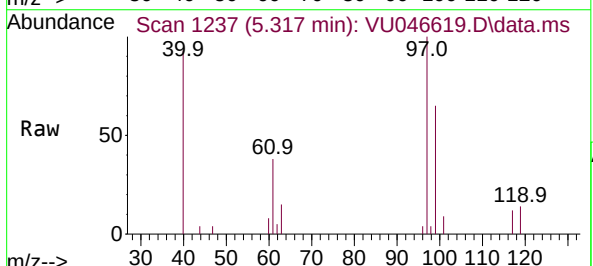
Acq: 28 Dec 2021 18:00

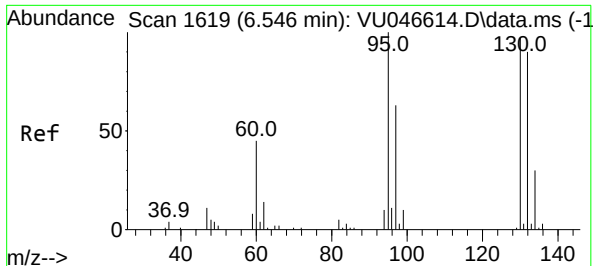
Tgt Ion: 117 Resp: 668

Ion Ratio Lower Upper

117 100

119 103.1 77.5 116.3



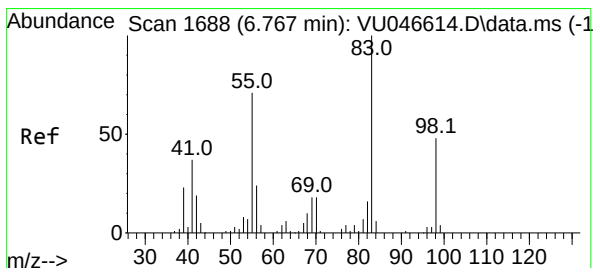
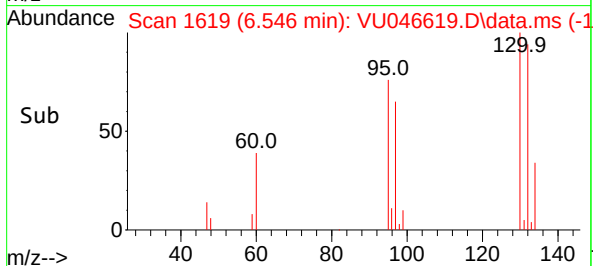
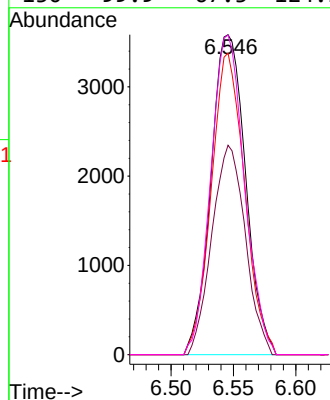
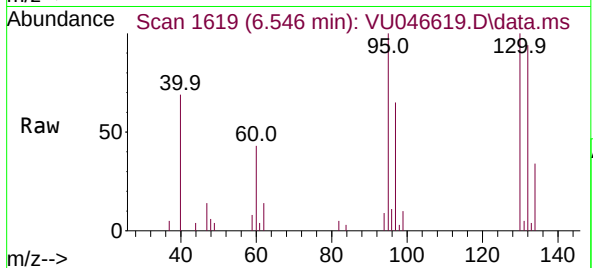


#34
Trichloroethene
Concen: 1.151 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046619.D
Acq: 28 Dec 2021 18:00

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 6929

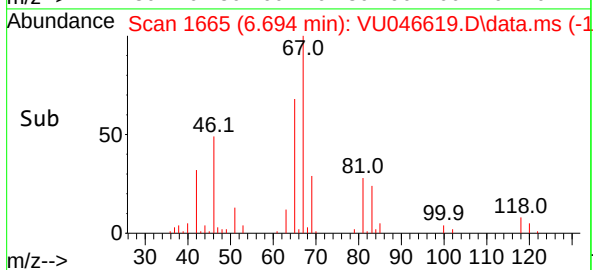
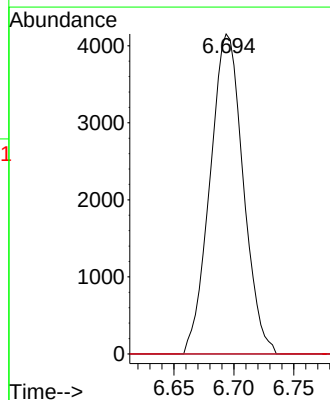
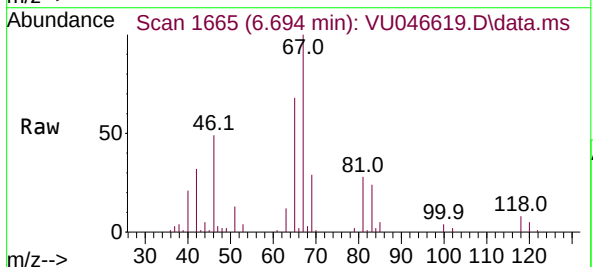
Ion	Ratio	Lower	Upper
95	100		
97	65.4	46.5	86.5
132	94.3	65.1	120.9
130	99.9	67.3	124.9

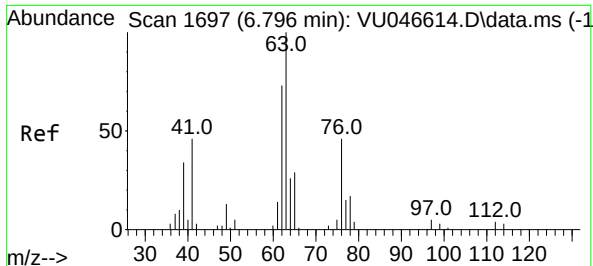


#35
Methylcyclohexane
Concen: 0.940 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046619.D
Acq: 28 Dec 2021 18:00

Tgt Ion: 83 Resp: 7985

Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.9	92.9#
98	1.8	39.0	58.6#





#37

1,2-Dichloropropane

Concen: 0.651 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046619.D

Acq: 28 Dec 2021 18:00

Instrument :

MSVOA_U

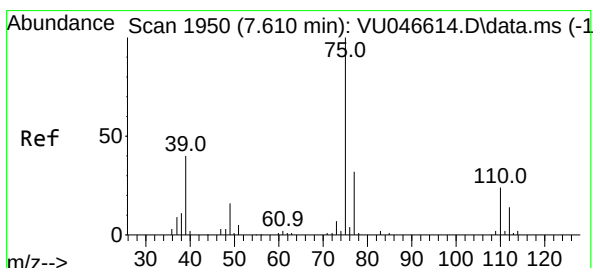
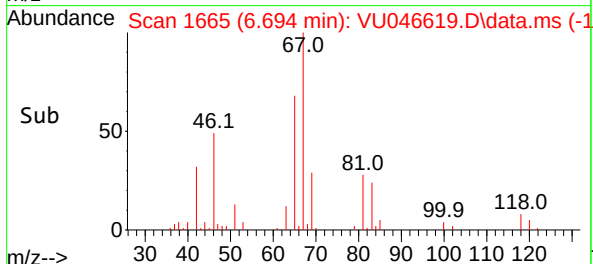
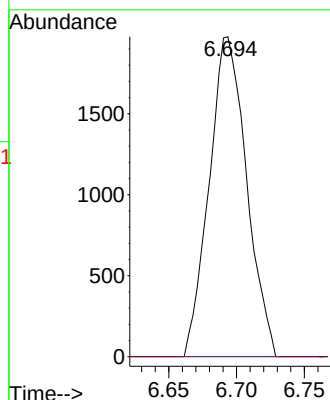
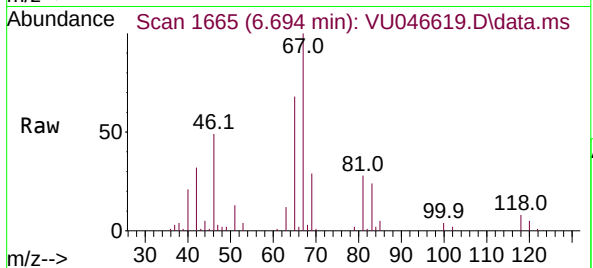
ClientSampleId :

Tgt Ion: 63 Resp: 3793

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046619.D

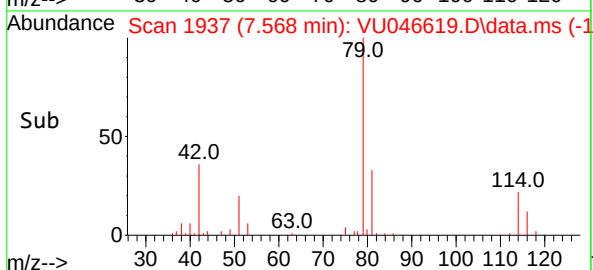
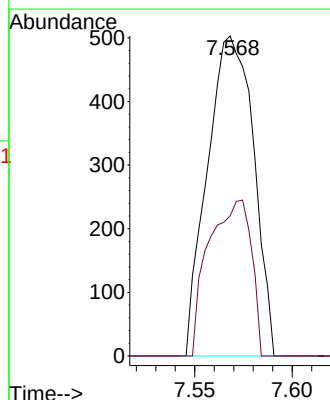
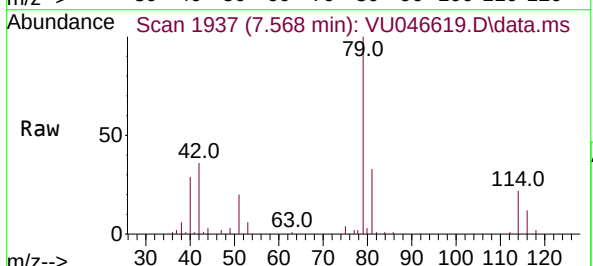
Acq: 28 Dec 2021 18:00

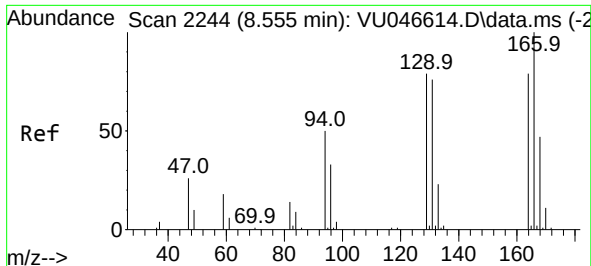
Tgt Ion: 75 Resp: 828

Ion Ratio Lower Upper

75 100

77 43.7 22.5 41.9#





#47

Tetrachloroethene

Concen: 1.394 ug/L

RT: 8.558 min Scan# 21

Delta R.T. 0.003 min

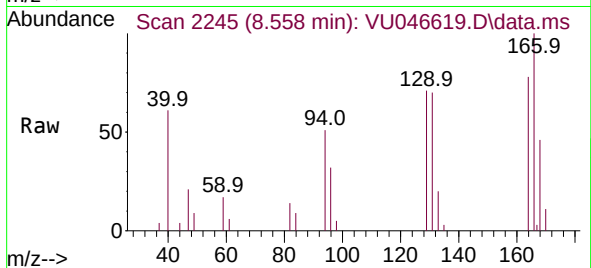
Lab File: VU046619.D

Acq: 28 Dec 2021 18:00

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 5941

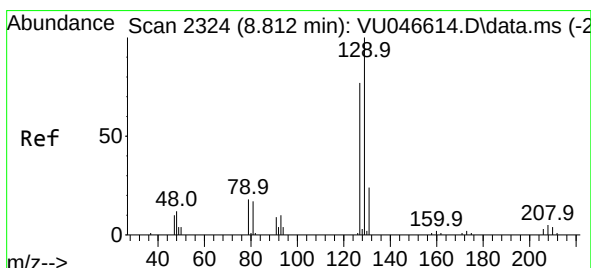
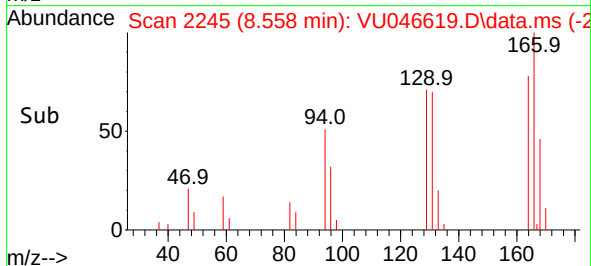
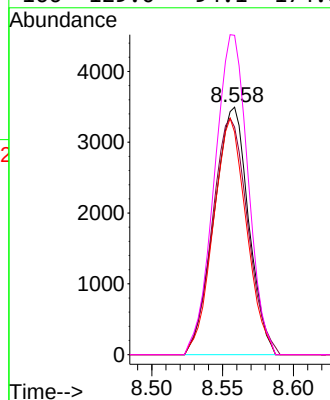
Ion Ratio Lower Upper

164 100

129 91.9 71.8 133.4

131 89.9 68.5 127.3

166 129.0 94.1 174.8



#49

Dibromochloromethane

Concen: 1.001 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU046619.D

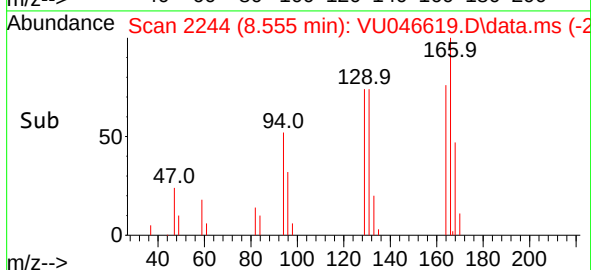
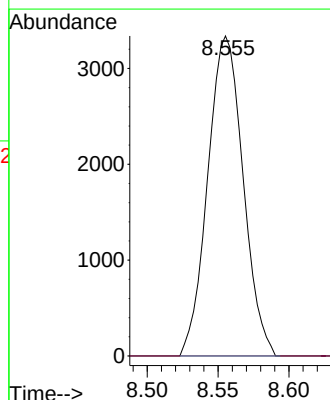
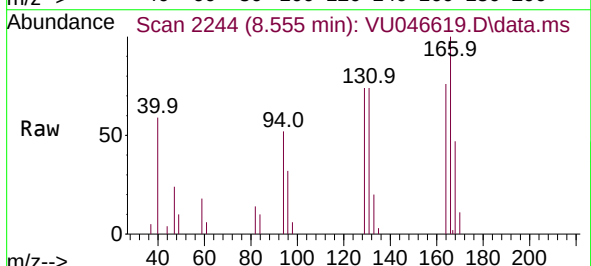
Acq: 28 Dec 2021 18:00

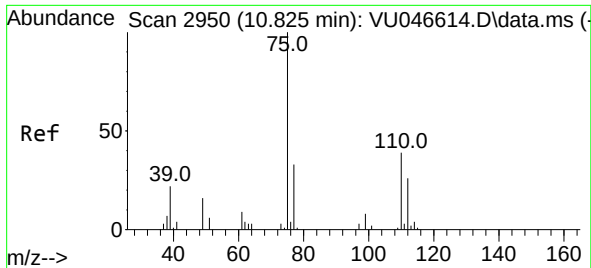
Tgt Ion:129 Resp: 5801

Ion Ratio Lower Upper

129 100

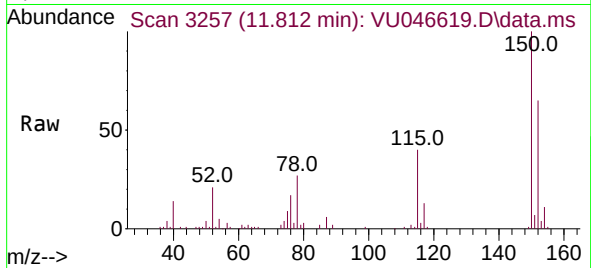
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 0.741 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046619.D
 Acq: 28 Dec 2021 18:00

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 3348
 Ion Ratio Lower Upper
 75 100
 110 0.0 29.9 44.9#
 77 30.5 25.5 38.3

