

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111821\
 Data File : VU045868.D
 Acq On : 18 Nov 2021 15:07
 Operator : SY/MD
 Sample : M4664-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:54:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 19 00:50:55 2021
 Response via : Initial Calibration

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

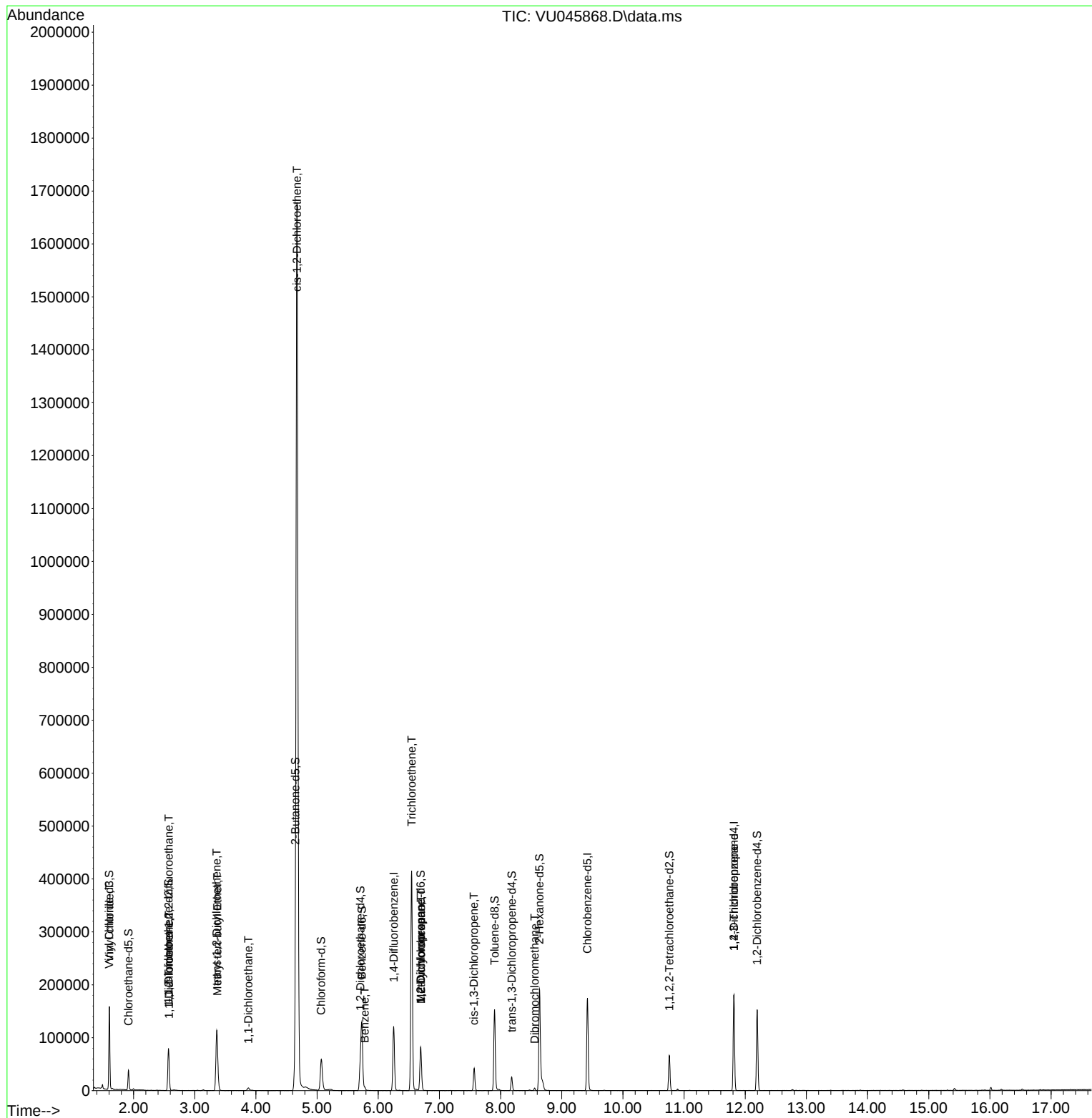
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	96776	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	100085	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	46732	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	35969	4.691	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.800%
7) Chloroethane-d5	1.916	69	26850	4.810	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.571	65	15244	4.740	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.800%
20) 2-Butanone-d5	4.645	46	105385	51.288	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.580%
24) Chloroform-d	5.067	84	53613	4.197	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
26) 1,2-Dichloroethane-d4	5.706	65	34063	4.545	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
32) Benzene-d6	5.732	84	121615	4.413	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.694	67	39205	4.513	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.902	98	102398	4.107	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	8.182	79	14824	4.204	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.000%
46) 2-Hexanone-d5	8.636	63	67642	42.618	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.240%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	33714	4.594	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	39925	4.976	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	68209	8.139	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	362	0.057	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	1493	0.249	ug/L #	1
17) Methyl tert-butyl Ether	3.369	73	44122	2.829	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	33729	5.252	ug/L	96
19) 1,1-Dichloroethane	3.877	63	6010	0.500	ug/L	97
22) cis-1,2-Dichloroethene	4.671	96	863584	124.032	ug/L	98
33) Benzene	5.777	78	6964	0.249	ug/L	100
34) Trichloroethene	6.546	95	142087	19.740	ug/L	98
35) Methylcyclohexane	6.697	83	9409	0.851	ug/L #	17
37) 1,2-Dichloropropane	6.697	63	4009	0.545	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	980	0.094	ug/L #	43
49) Dibromochloromethane	8.558	129	1145	0.184	ug/L #	10
61) 1,2,3-Trichloropropane	11.815	75	6218	1.282	ug/L #	66

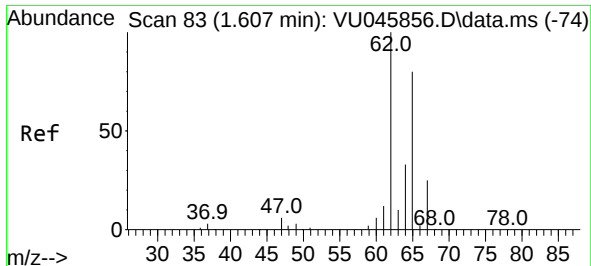
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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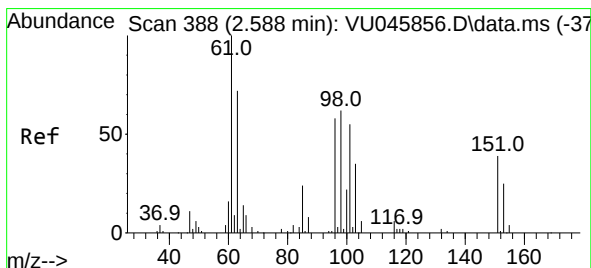
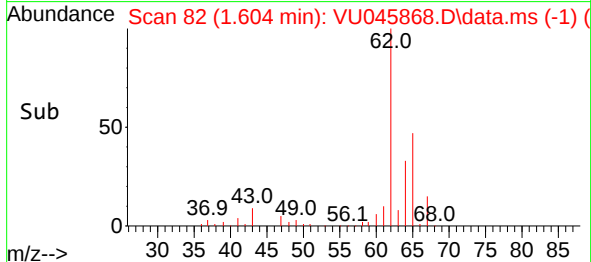
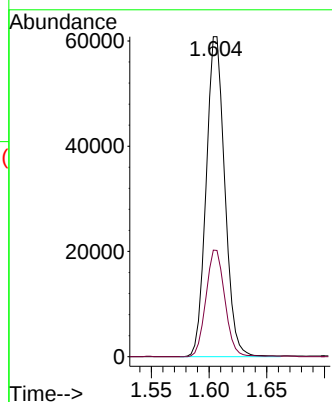
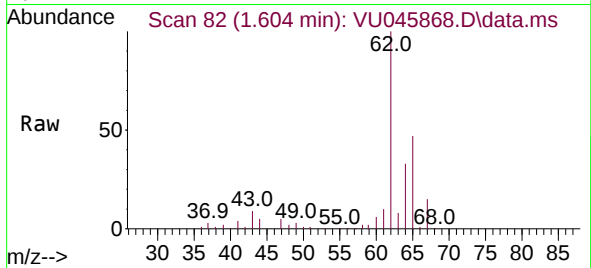




#5
 Vinyl chloride
 Concen: 8.139 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU045868.D
 Acq: 18 Nov 2021 15:07

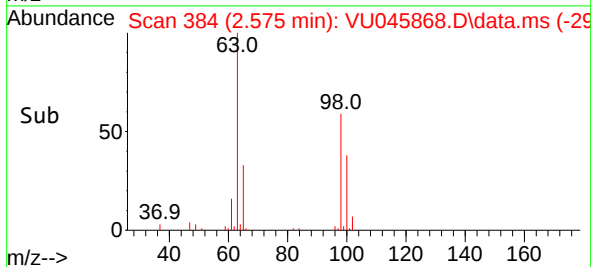
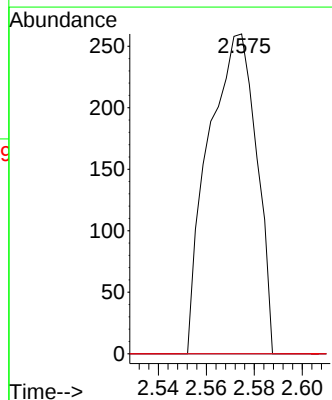
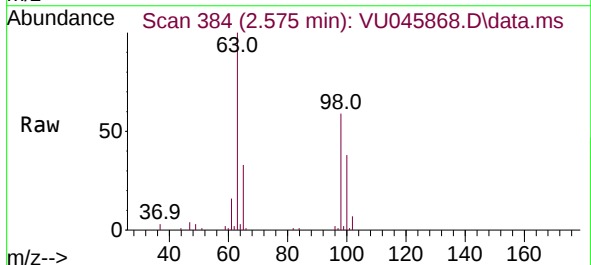
Instrument :
 MSVOA_U
 ClientSampleId :

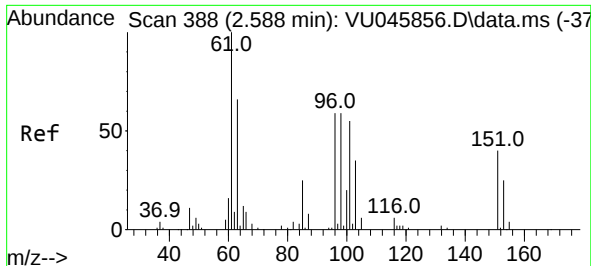
Tgt Ion: 62 Resp: 68209
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.9 42.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.057 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU045868.D
 Acq: 18 Nov 2021 15:07

Tgt Ion: 101 Resp: 362
 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: 0.249 ug/L

RT: 2.581 min Scan# 388

Delta R.T. -0.006 min

Lab File: VU045868.D

Acq: 18 Nov 2021 15:07

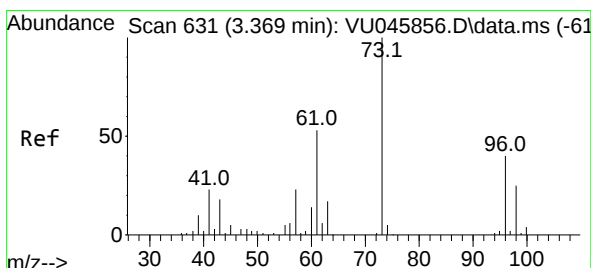
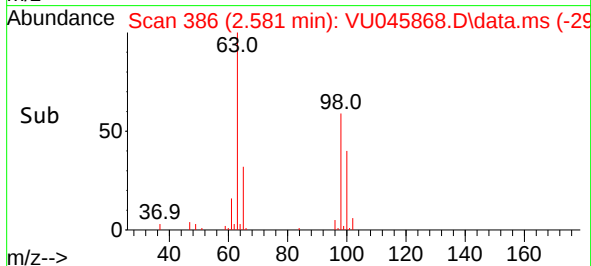
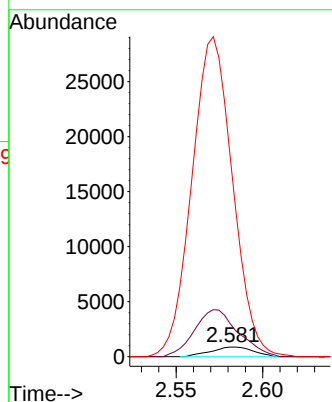
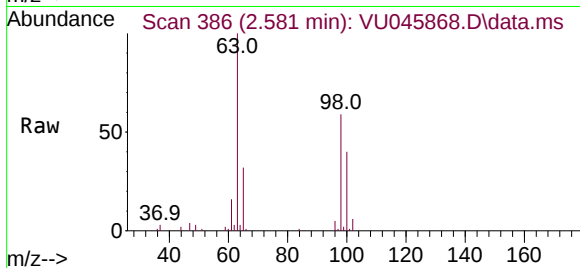
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 1493

Ion	Ratio	Lower	Upper
96	100		
61	347.6	124.7	231.5#
63	2110.7	105.2	195.4#



#17

Methyl tert-butyl Ether

Concen: 2.829 ug/L

RT: 3.369 min Scan# 631

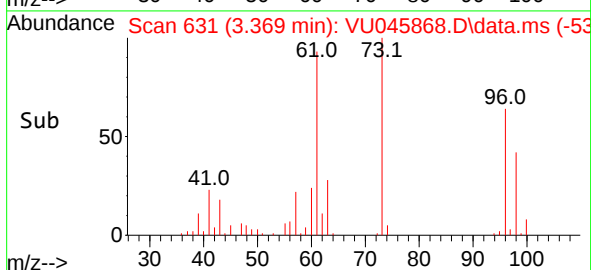
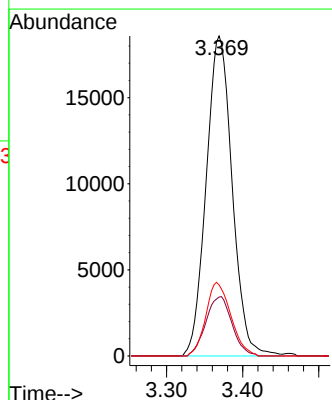
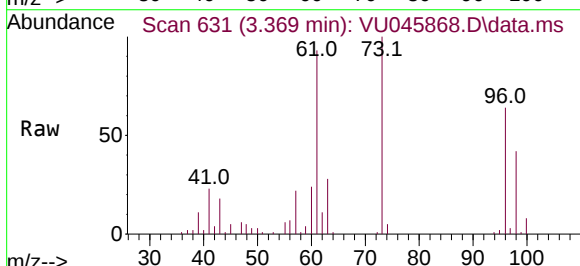
Delta R.T. 0.000 min

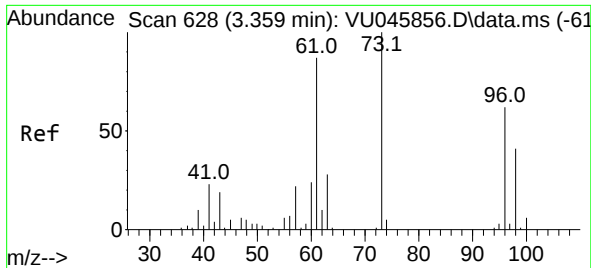
Lab File: VU045868.D

Acq: 18 Nov 2021 15:07

Tgt Ion: 73 Resp: 44122

Ion	Ratio	Lower	Upper
73	100		
43	18.7	14.8	22.2
57	22.1	17.4	26.0

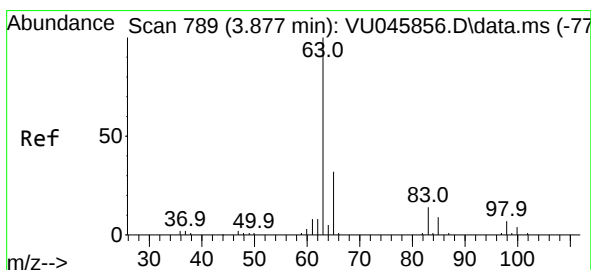
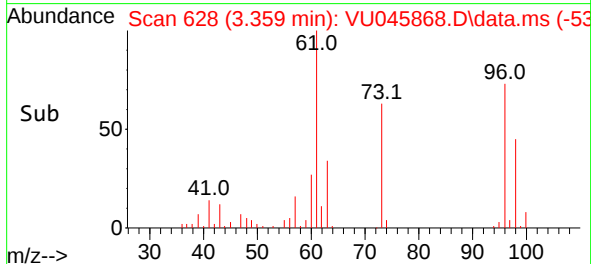
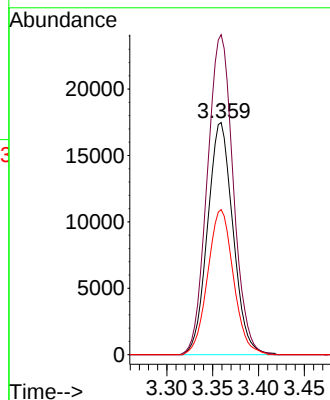
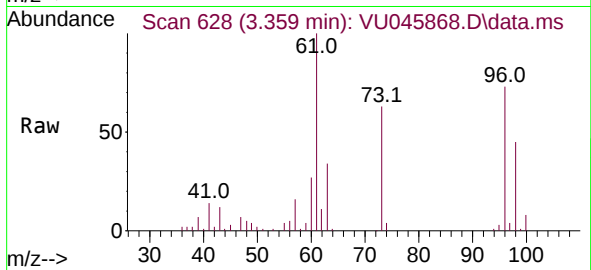




#18
trans-1,2-Dichloroethene
Concen: 5.252 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU045868.D
Acq: 18 Nov 2021 15:07

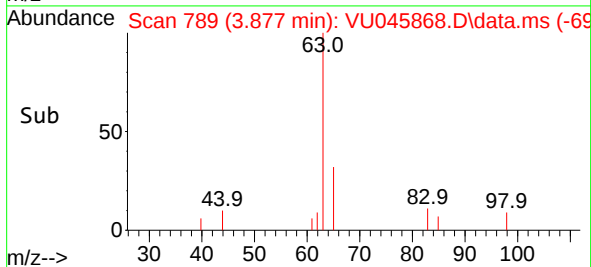
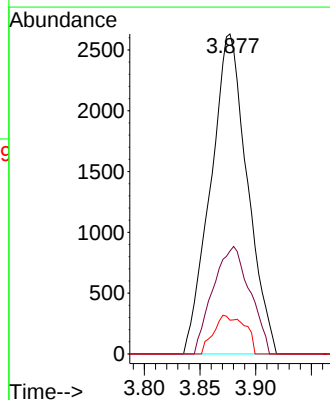
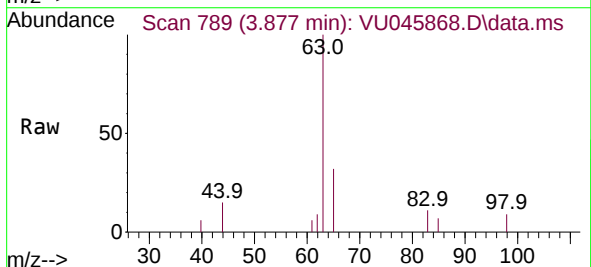
Instrument :
MSVOA_U
ClientSampleId :

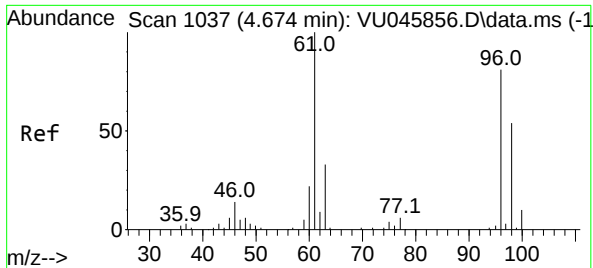
Tgt Ion: 96 Resp: 33729
Ion Ratio Lower Upper
96 100
61 137.8 100.8 187.2
98 62.5 45.1 83.7



#19
1,1-Dichloroethane
Concen: 0.500 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU045868.D
Acq: 18 Nov 2021 15:07

Tgt Ion: 63 Resp: 6010
Ion Ratio Lower Upper
63 100
65 32.1 22.3 41.5
83 10.6 9.6 17.8



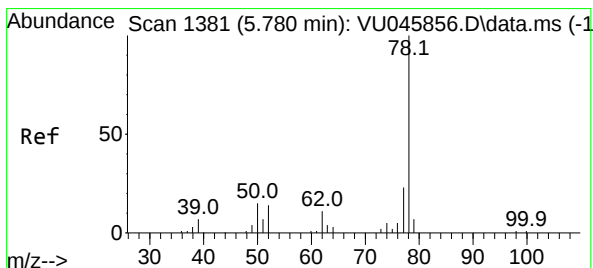
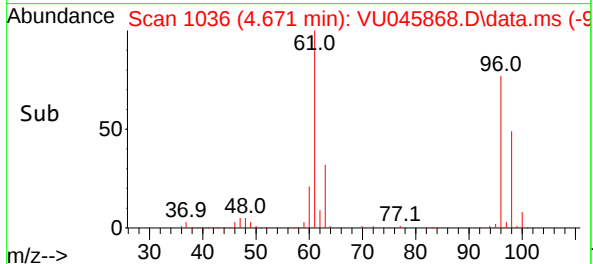
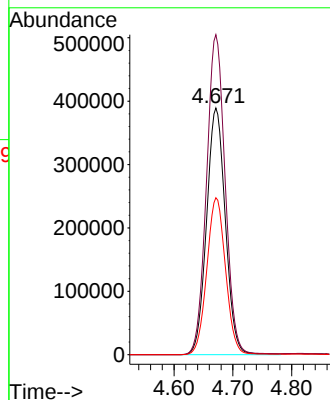
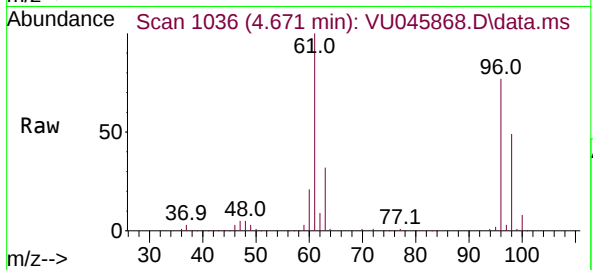


#22
 cis-1,2-Dichloroethene
 Concen: 124.032 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.003 min
 Lab File: VU045868.D
 Acq: 18 Nov 2021 15:07

Instrument :
 MSVOA_U
 ClientSampleId :

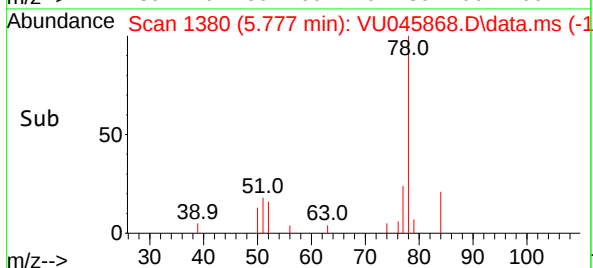
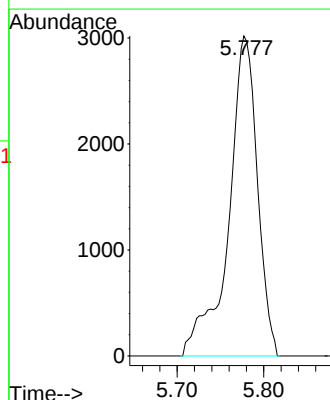
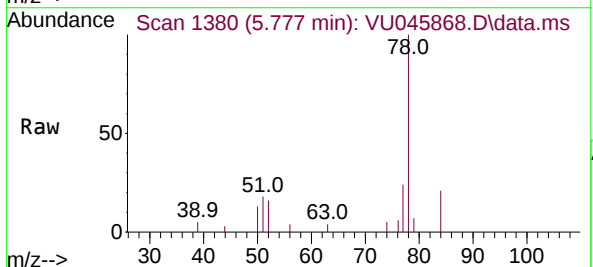
Tgt Ion: 96 Resp: 863584

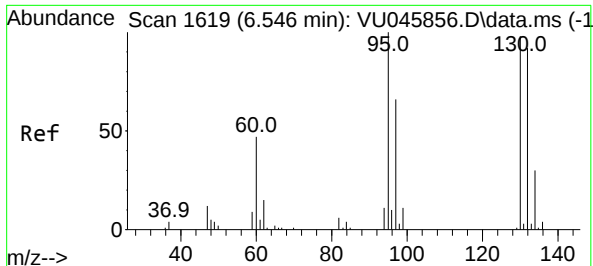
Ion	Ratio	Lower	Upper
96	100		
61	129.7	88.5	164.3
98	63.6	44.4	82.5



#33
 Benzene
 Concen: 0.249 ug/L
 RT: 5.777 min Scan# 1380
 Delta R.T. -0.003 min
 Lab File: VU045868.D
 Acq: 18 Nov 2021 15:07

Tgt Ion: 78 Resp: 6964

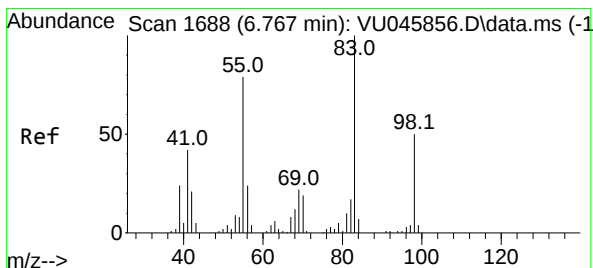
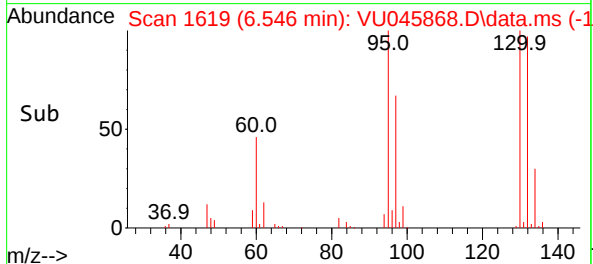
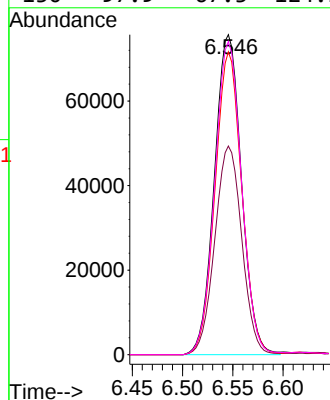
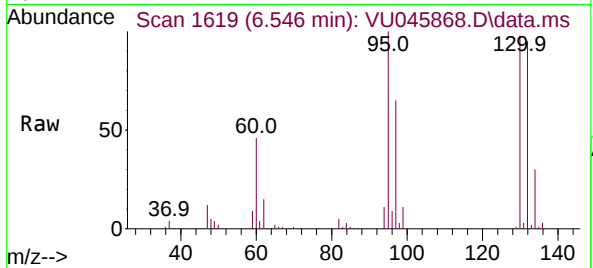




#34
Trichloroethene
Concen: 19.740 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045868.D
Acq: 18 Nov 2021 15:07

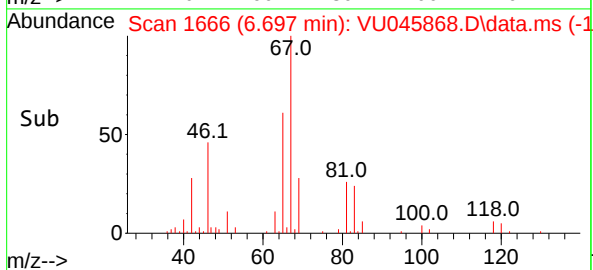
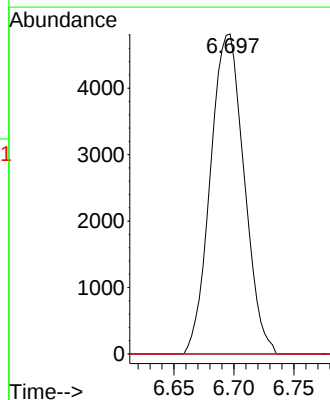
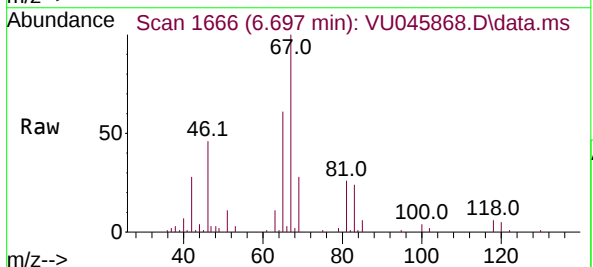
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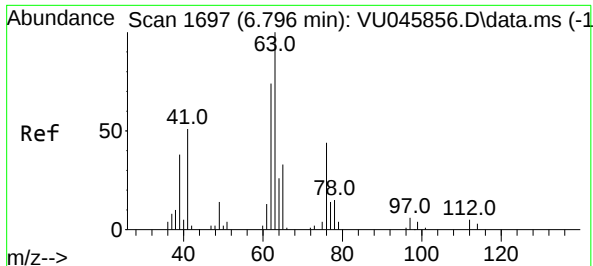
Tgt Ion: 95 Resp: 142087
Ion Ratio Lower Upper
95 100
97 65.2 46.5 86.5
132 94.7 65.1 120.9
130 97.9 67.3 124.9



#35
Methylcyclohexane
Concen: 0.851 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.071 min
Lab File: VU045868.D
Acq: 18 Nov 2021 15:07

Tgt Ion: 83 Resp: 9409
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: 0.545 ug/L

RT: 6.697 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU045868.D

Acq: 18 Nov 2021 15:07

Instrument :

MSVOA_U

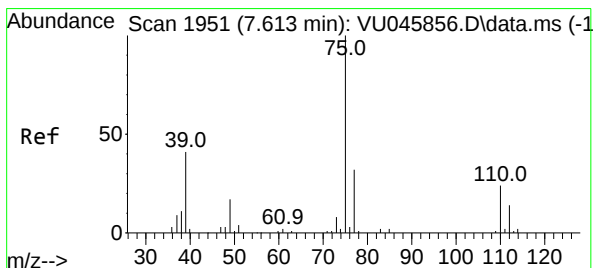
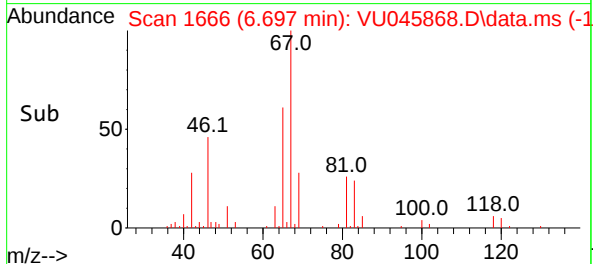
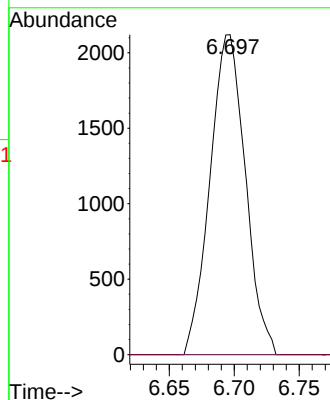
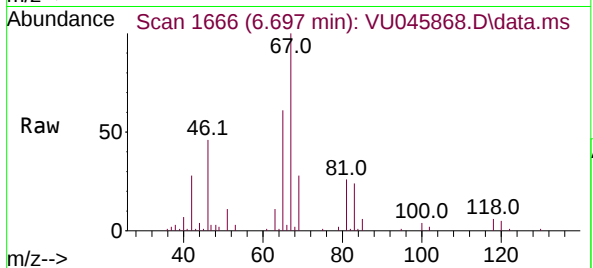
ClientSampleId :

Tgt Ion: 63 Resp: 4009

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.048 min

Lab File: VU045868.D

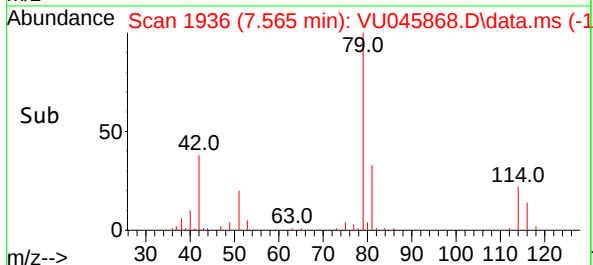
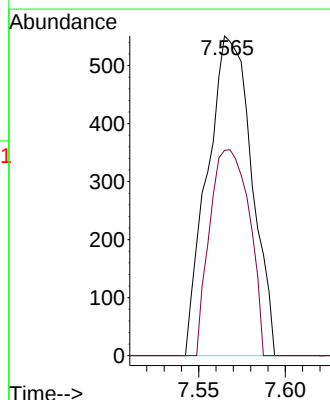
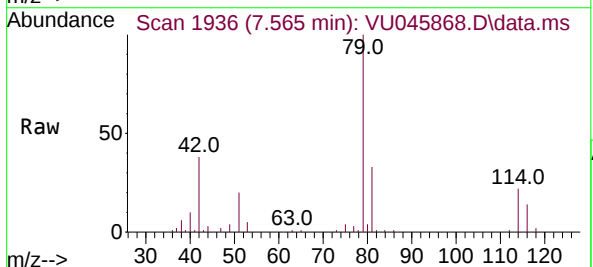
Acq: 18 Nov 2021 15:07

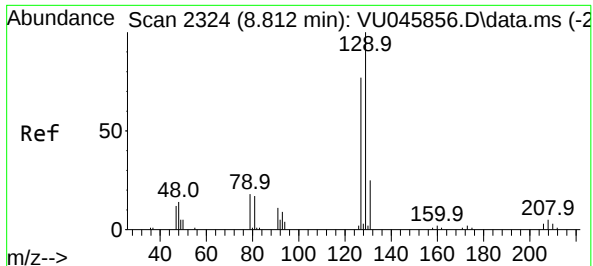
Tgt Ion: 75 Resp: 980

Ion Ratio Lower Upper

75 100

77 64.2 22.5 41.9#





#49

Dibromochloromethane

Concen: 0.184 ug/L

RT: 8.558 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU045868.D

Acq: 18 Nov 2021 15:07

Instrument :

MSVOA_U

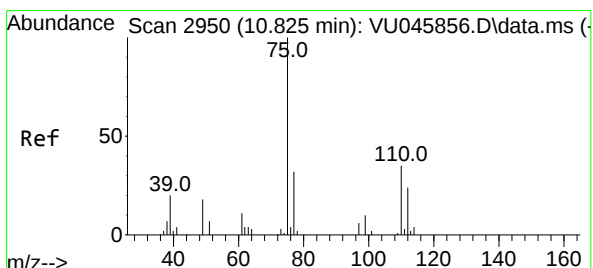
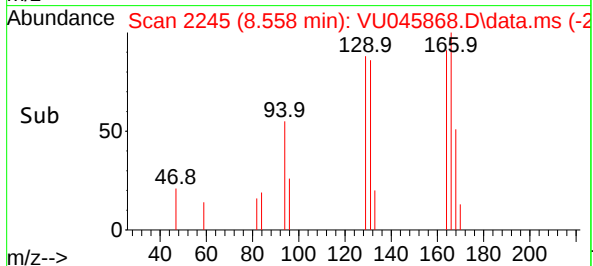
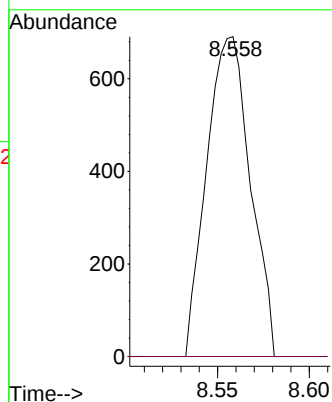
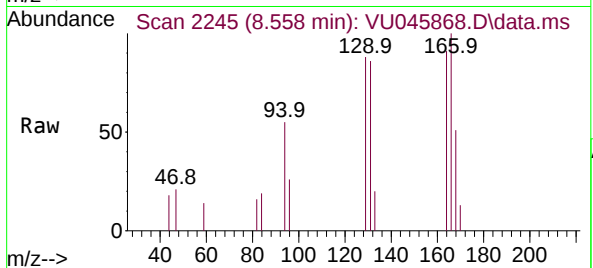
ClientSampleId :

Tgt Ion:129 Resp: 1145

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.282 ug/L

RT: 11.815 min Scan# 3258

Delta R.T. 0.990 min

Lab File: VU045868.D

Acq: 18 Nov 2021 15:07

Tgt Ion: 75 Resp: 6218

Ion Ratio Lower Upper

75 100

110 1.8 29.9 44.9#

77 29.6 25.5 38.3

