

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111721\
 Data File : VU045839.D
 Acq On : 17 Nov 2021 14:49
 Operator : SY/MD
 Sample : M4686-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 18 02:20:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 18 02:11:55 2021
 Response via : Initial Calibration

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

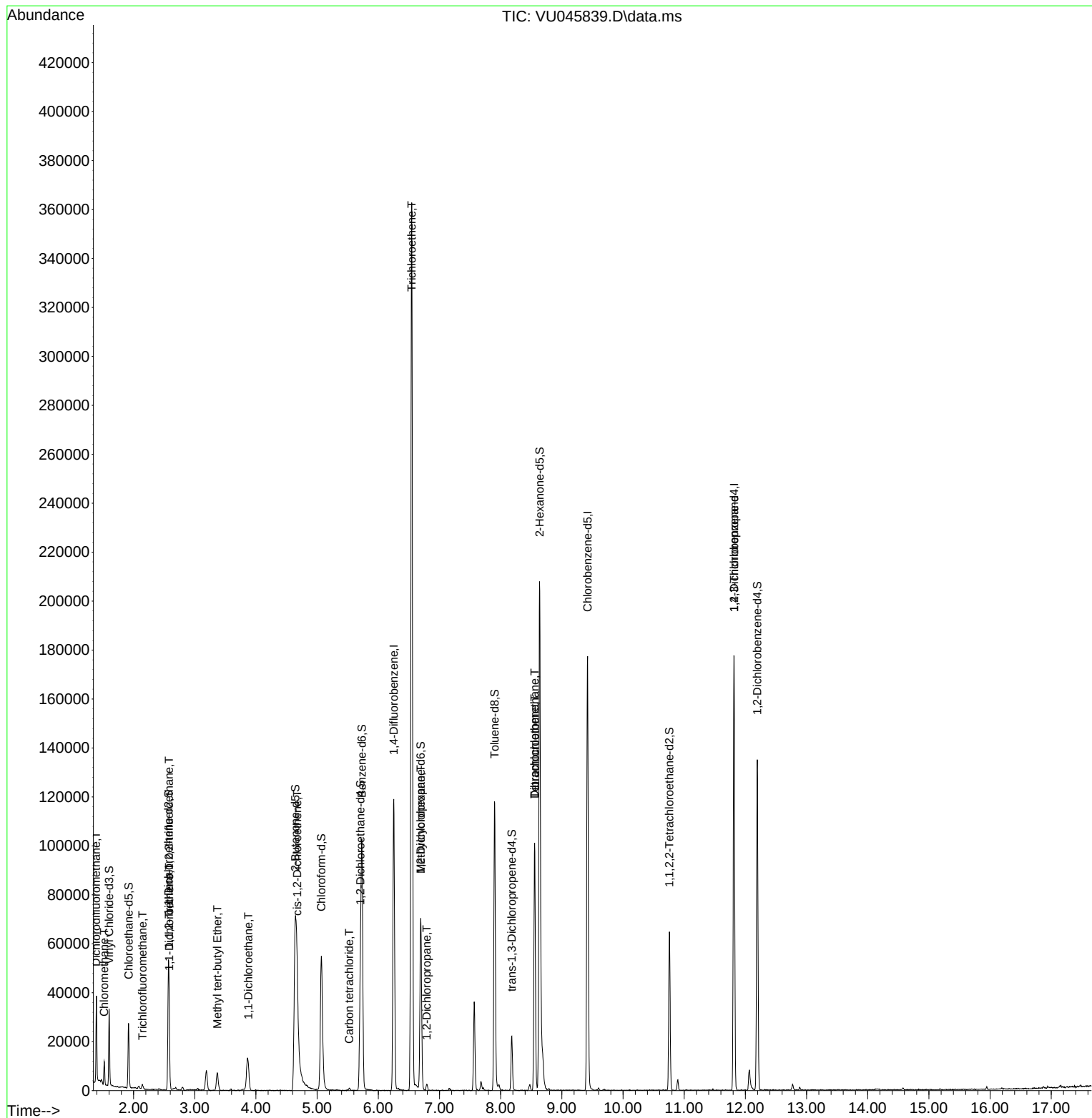
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	95140	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	99457	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	46281	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	20956	2.780	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.600%
7) Chloroethane-d5	1.919	69	19211	3.501	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.000%
11) 1,1-Dichloroethene-d2	2.572	65	10149	3.210	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.200%
20) 2-Butanone-d5	4.645	46	108808	53.865	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.720%
24) Chloroform-d	5.070	84	47862	3.811	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.200%
26) 1,2-Dichloroethane-d4	5.706	65	30841	4.186	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
32) Benzene-d6	5.732	84	95423	3.484	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.600%#
36) 1,2-Dichloropropane-d6	6.694	67	33845	3.921	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.400%
41) Toluene-d8	7.903	98	80790	3.261	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.200%#
43) trans-1,3-Dichloroprop...	8.182	79	12829	3.661	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.200%
46) 2-Hexanone-d5	8.636	63	75064	47.593	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.180%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	32531	4.461	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	34428	4.332	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	1086	0.140	ug/L	90
3) Chloromethane	1.520	50	6083	0.741	ug/L	99
9) Trichlorofluoromethane	2.144	101	1043	0.098	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	364	0.058	ug/L #	26
12) 1,1-Dichloroethene	2.584	96	1344	0.228	ug/L #	1
17) Methyl tert-butyl Ether	3.369	73	7825	0.510	ug/L	99
19) 1,1-Dichloroethane	3.877	63	6008	0.508	ug/L	98
22) cis-1,2-Dichloroethene	4.674	96	9017	1.317	ug/L	96
31) Carbon tetrachloride	5.523	117	713	0.078	ug/L	87
34) Trichloroethene	6.546	95	123751	17.301	ug/L	99
35) Methylcyclohexane	6.694	83	7768	0.707	ug/L #	17
37) 1,2-Dichloropropane	6.793	63	1099	0.150	ug/L #	88
47) Tetrachloroethene	8.555	164	22357	4.465	ug/L	98
49) Dibromochloromethane	8.555	129	21972	3.558	ug/L #	10
61) 1,2,3-Trichloropropane	11.816	75	5770	1.201	ug/L #	67

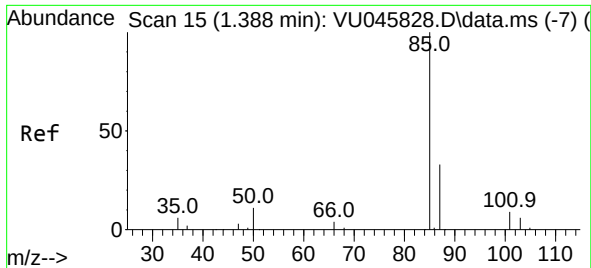
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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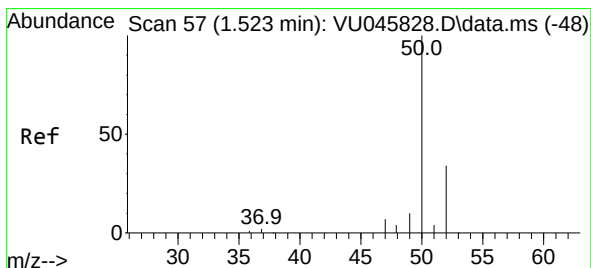
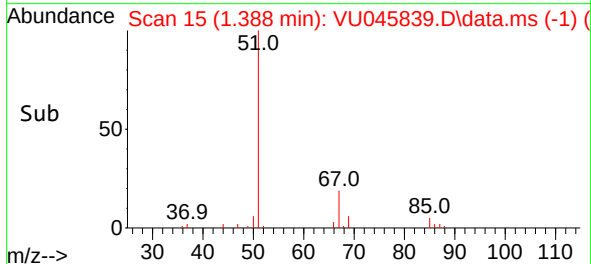
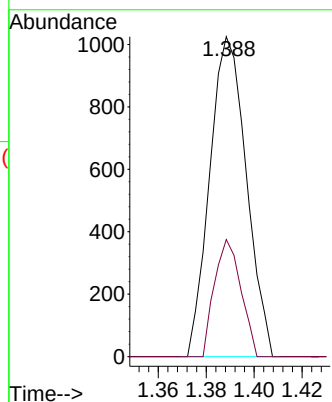
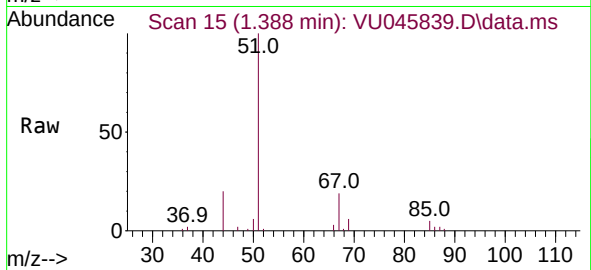




#2
 Dichlorodifluoromethane
 Concen: 0.140 ug/L
 RT: 1.388 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU045839.D
 Acq: 17 Nov 2021 14:49

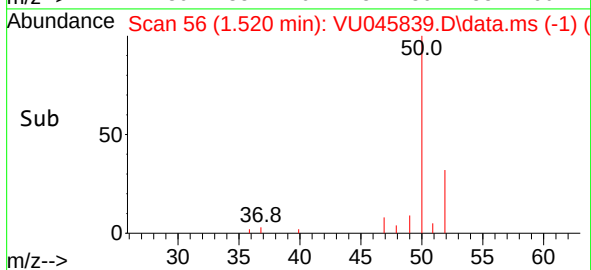
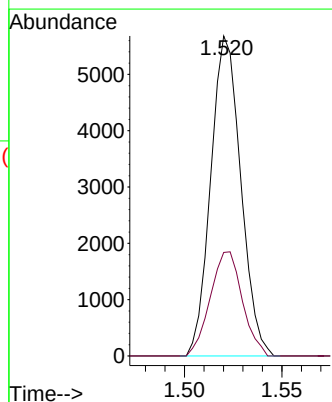
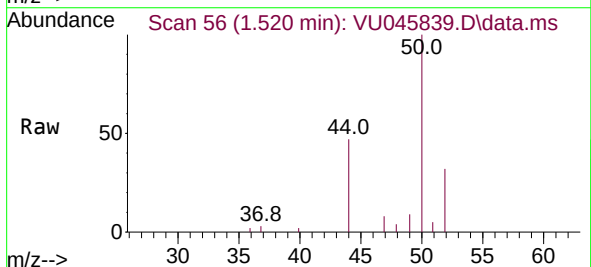
Instrument :
 MSVOA_U
 ClientSampleId :

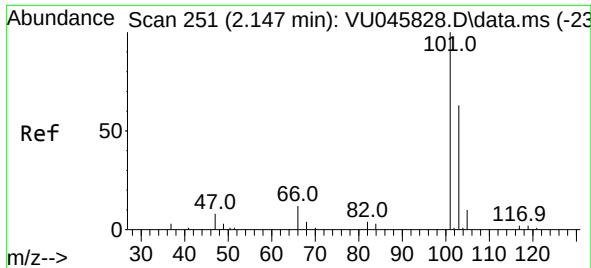
Tgt Ion: 85 Resp: 1086
 Ion Ratio Lower Upper
 85 100
 87 26.3 25.8 38.6



#3
 Chloromethane
 Concen: 0.741 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. -0.003 min
 Lab File: VU045839.D
 Acq: 17 Nov 2021 14:49

Tgt Ion: 50 Resp: 6083
 Ion Ratio Lower Upper
 50 100
 52 32.3 23.0 42.8

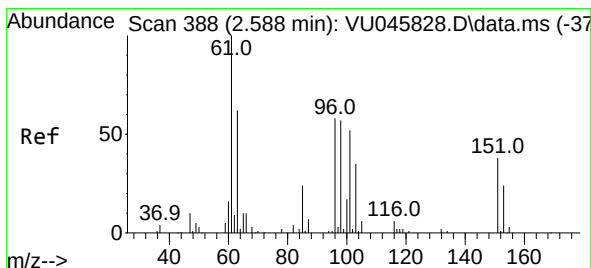
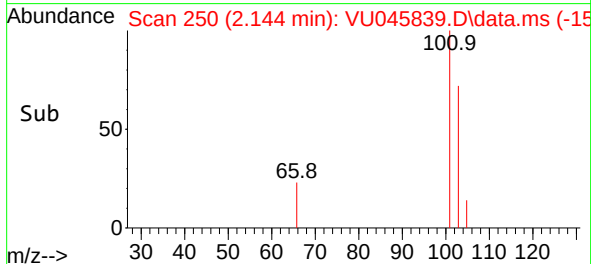
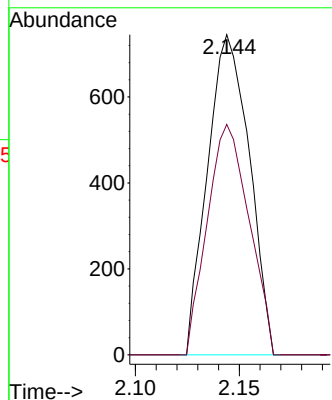
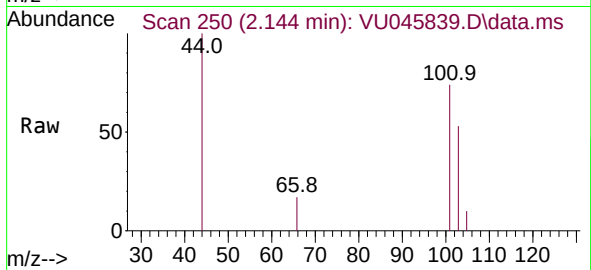




#9
 Trichlorofluoromethane
 Concen: 0.098 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU045839.D
 Acq: 17 Nov 2021 14:49

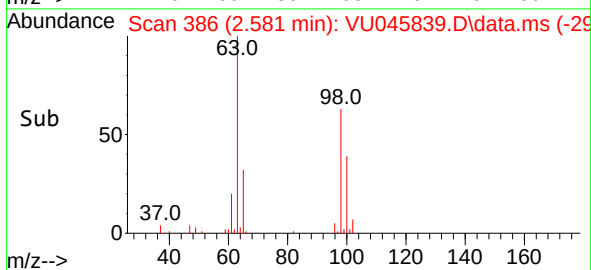
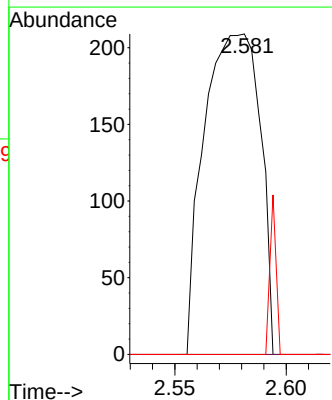
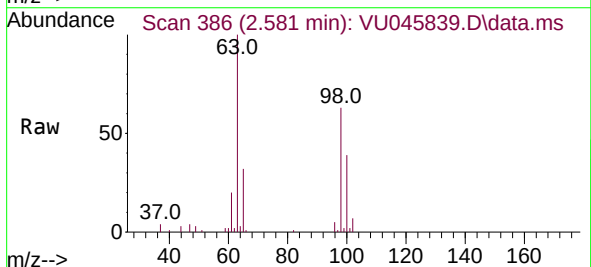
Instrument :
 MSVOA_U
 ClientSampleId :

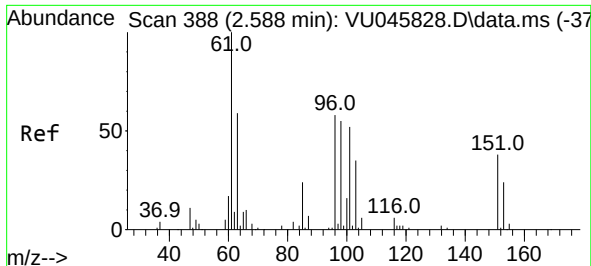
Tgt Ion:101 Resp: 1043
 Ion Ratio Lower Upper
 101 100
 103 72.0 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.058 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.006 min
 Lab File: VU045839.D
 Acq: 17 Nov 2021 14:49

Tgt Ion:101 Resp: 364
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 5.5 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 0.228 ug/L

RT: 2.584 min Scan# 388

Delta R.T. -0.003 min

Lab File: VU045839.D

Acq: 17 Nov 2021 14:49

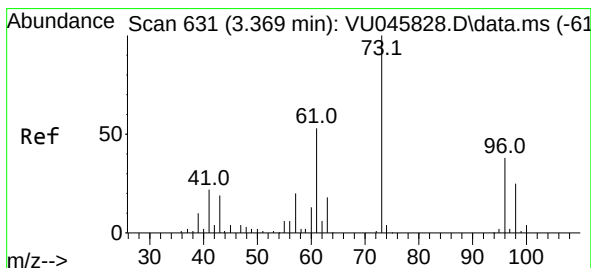
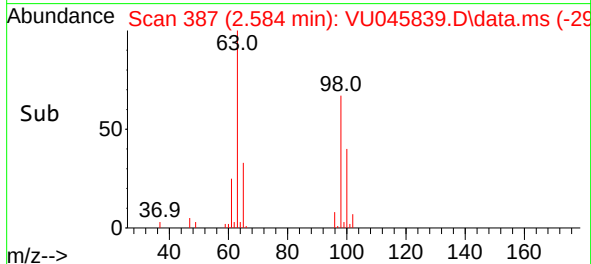
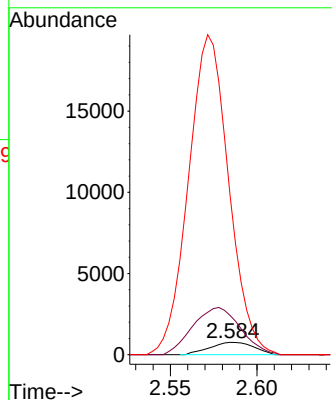
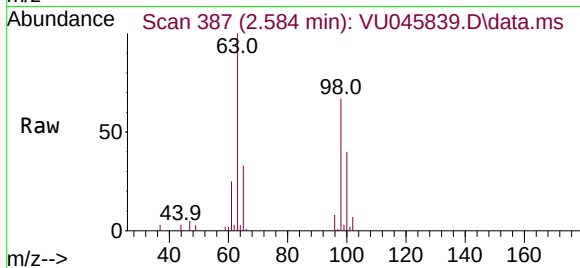
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 1344

Ion	Ratio	Lower	Upper
96	100		
61	320.7	124.7	231.5#
63	1307.4	105.2	195.4#



#17

Methyl tert-butyl Ether

Concen: 0.510 ug/L

RT: 3.369 min Scan# 631

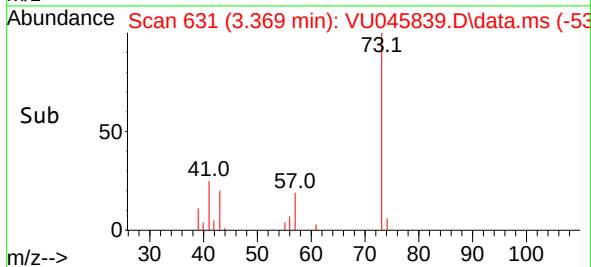
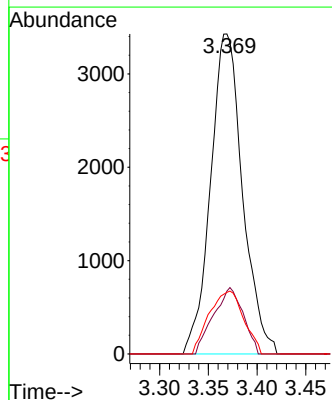
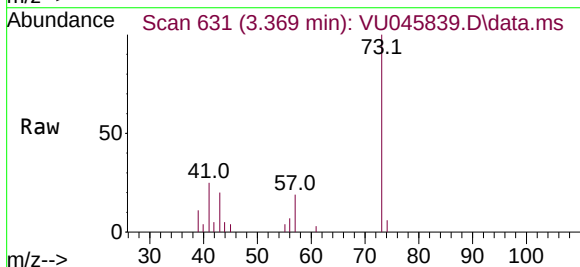
Delta R.T. 0.000 min

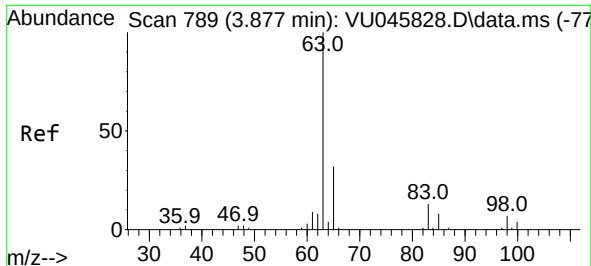
Lab File: VU045839.D

Acq: 17 Nov 2021 14:49

Tgt Ion: 73 Resp: 7825

Ion	Ratio	Lower	Upper
73	100		
43	19.2	14.8	22.2
57	21.2	17.4	26.0





#19

1,1-Dichloroethane

Concen: 0.508 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU045839.D

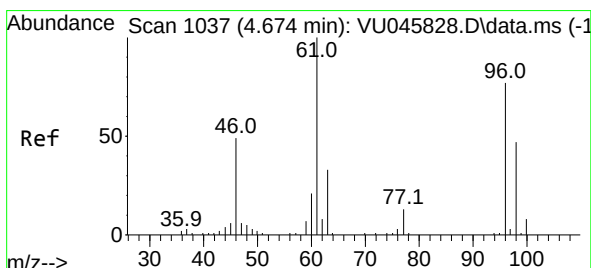
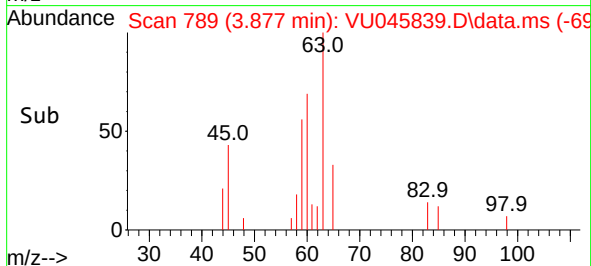
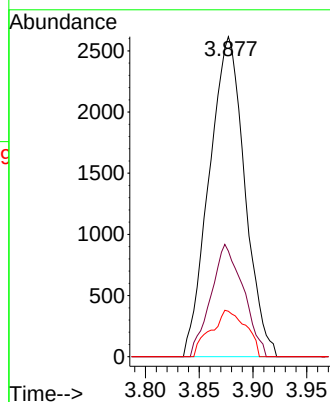
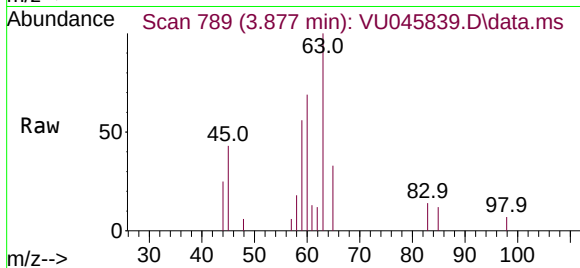
Acq: 17 Nov 2021 14:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	6008
Ion	Ratio	Lower	Upper
63	100		
65	33.0	22.3	41.5
83	14.2	9.6	17.8



#22

cis-1,2-Dichloroethene

Concen: 1.317 ug/L

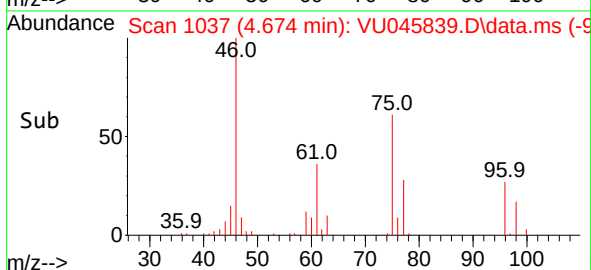
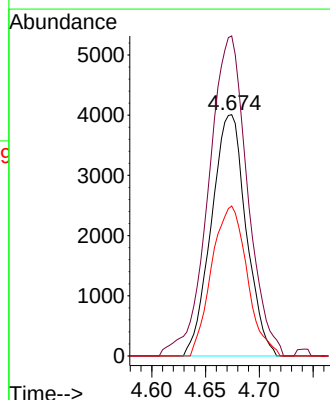
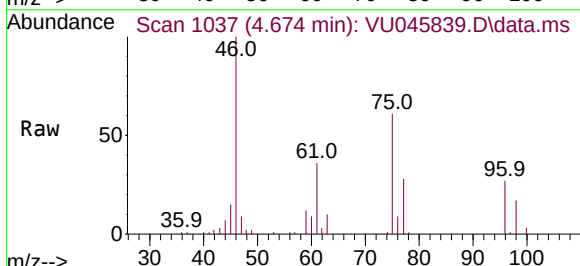
RT: 4.674 min Scan# 1037

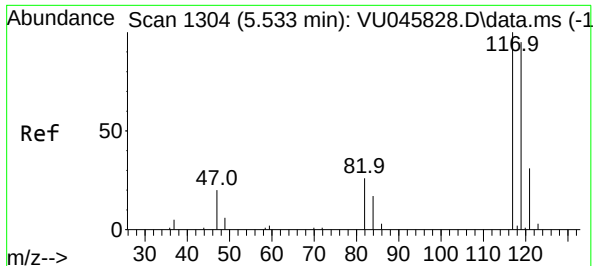
Delta R.T. 0.000 min

Lab File: VU045839.D

Acq: 17 Nov 2021 14:49

Tgt Ion:	96	Resp:	9017
Ion	Ratio	Lower	Upper
96	100		
61	132.7	88.5	164.3
98	62.2	44.4	82.5

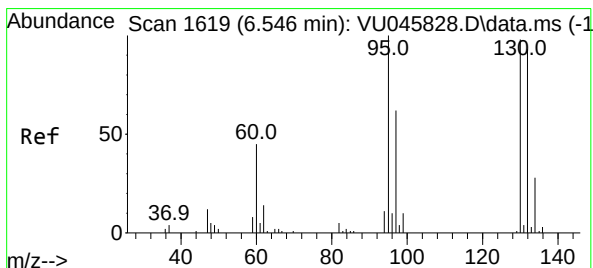
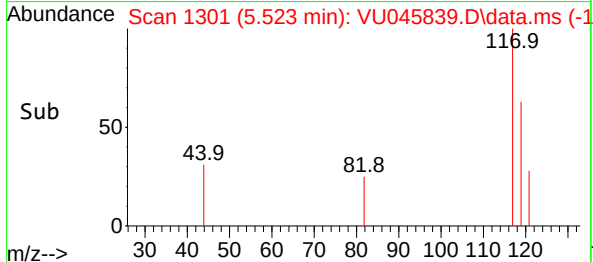
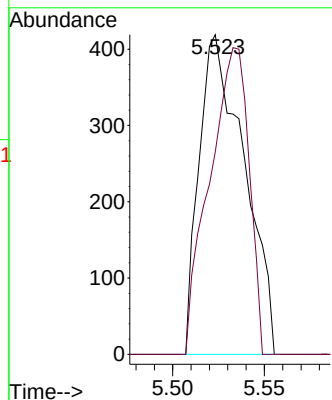
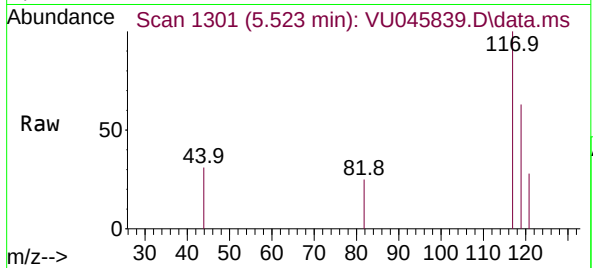




#31
Carbon tetrachloride
Concen: 0.078 ug/L
RT: 5.523 min Scan# 1117
Delta R.T. -0.010 min
Lab File: VU045839.D
Acq: 17 Nov 2021 14:49

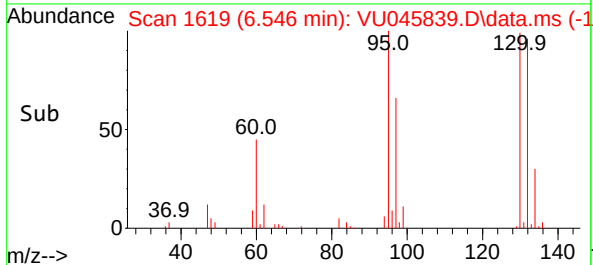
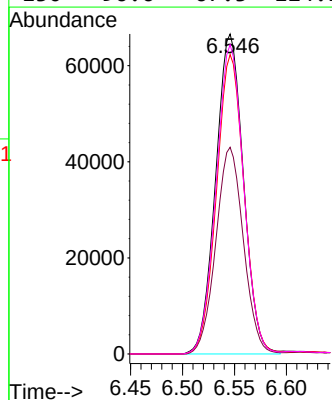
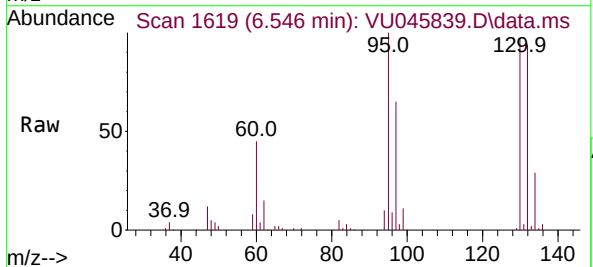
Instrument :
MSVOA_U
ClientSampleId :

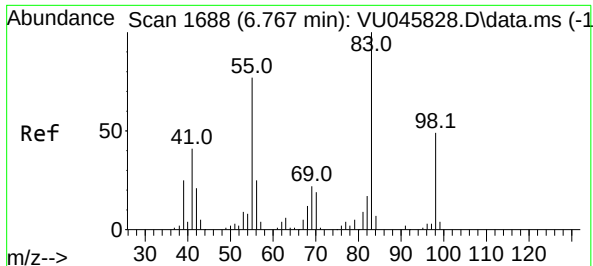
Tgt Ion:117 Resp: 713
Ion Ratio Lower Upper
117 100
119 84.3 77.5 116.3



#34
Trichloroethene
Concen: 17.301 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045839.D
Acq: 17 Nov 2021 14:49

Tgt Ion: 95 Resp: 123751
Ion Ratio Lower Upper
95 100
97 64.6 46.5 86.5
132 93.6 65.1 120.9
130 96.6 67.3 124.9

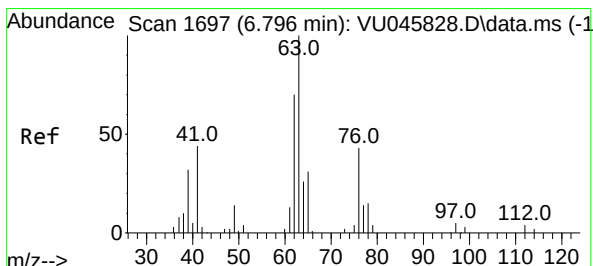
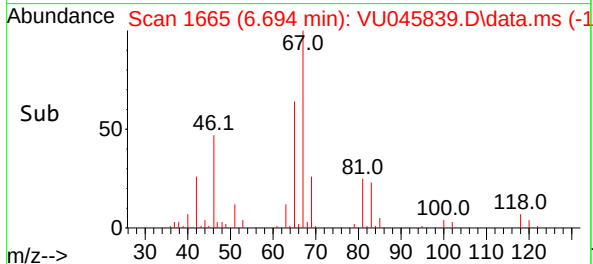
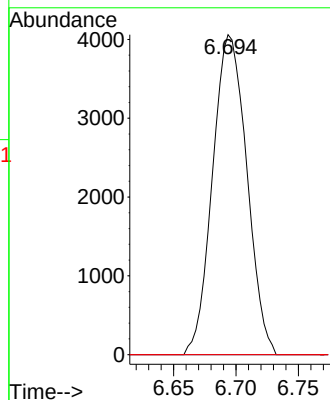
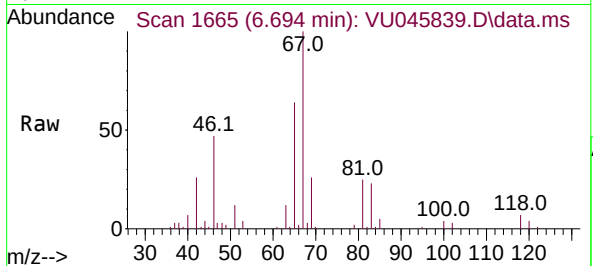




#35
Methylcyclohexane
Concen: 0.707 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045839.D
Acq: 17 Nov 2021 14:49

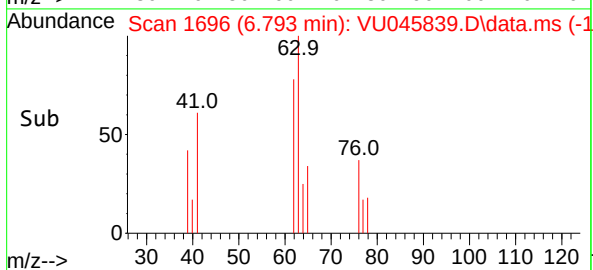
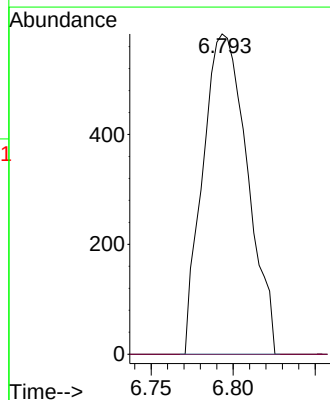
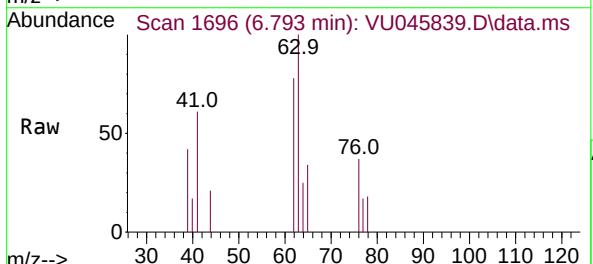
Instrument :
MSVOA_U
ClientSampleId :

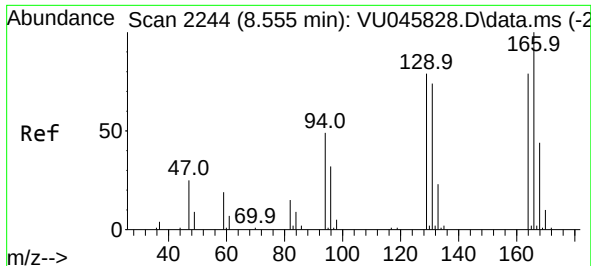
Tgt Ion: 83 Resp: 7768
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.150 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. -0.003 min
Lab File: VU045839.D
Acq: 17 Nov 2021 14:49

Tgt Ion: 63 Resp: 1099
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#47

Tetrachloroethene

Concen: 4.465 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

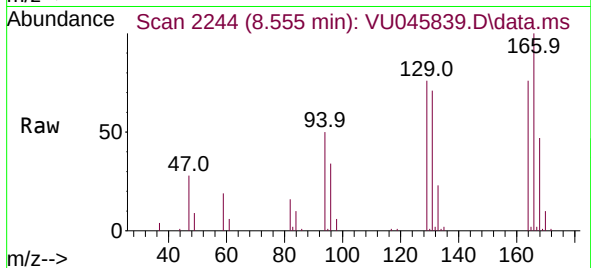
Lab File: VU045839.D

Acq: 17 Nov 2021 14:49

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 22357

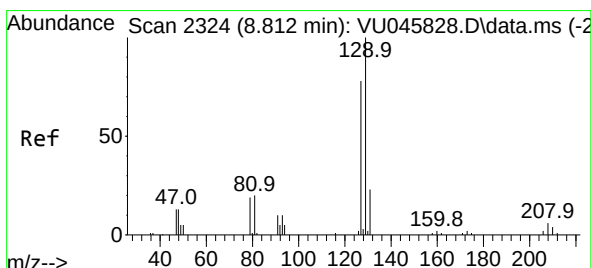
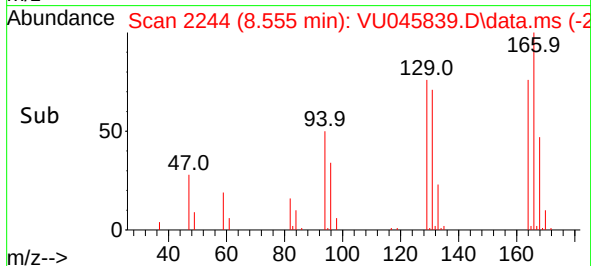
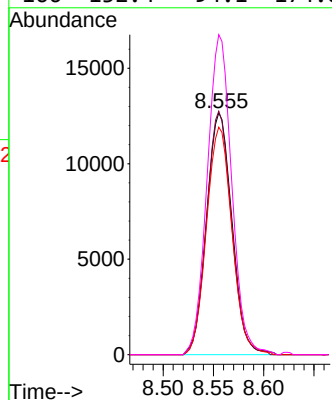
Ion Ratio Lower Upper

164 100

129 100.7 71.8 133.4

131 94.2 68.5 127.3

166 132.4 94.1 174.8



#49

Dibromochloromethane

Concen: 3.558 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU045839.D

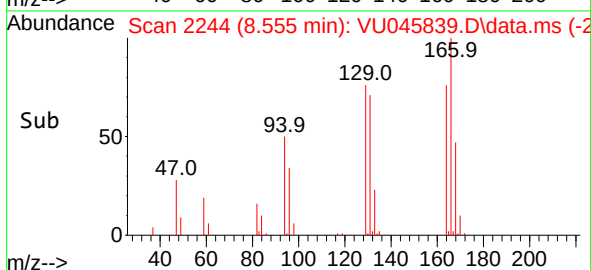
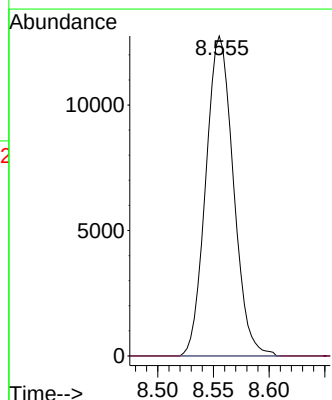
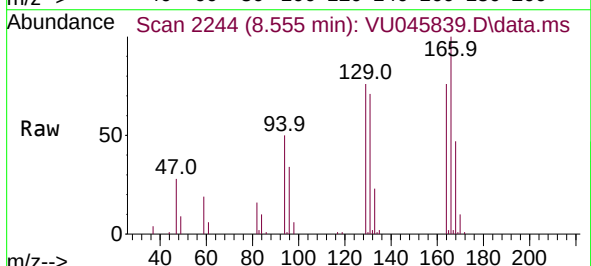
Acq: 17 Nov 2021 14:49

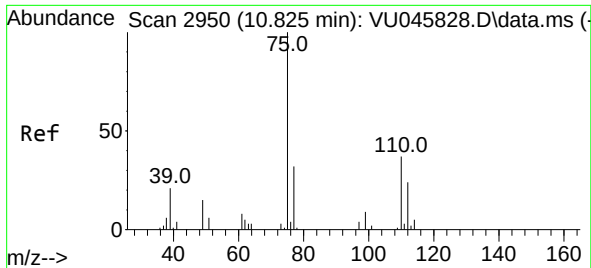
Tgt Ion:129 Resp: 21972

Ion Ratio Lower Upper

129 100

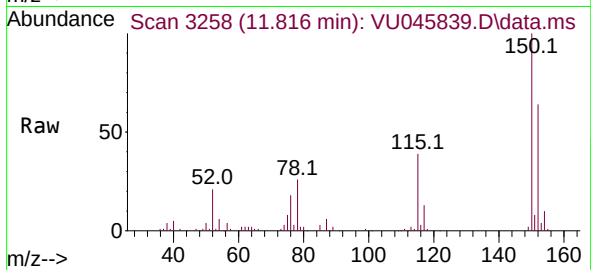
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.201 ug/L
 RT: 11.816 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU045839.D
 Acq: 17 Nov 2021 14:49

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 5770
 Ion Ratio Lower Upper
 75 100
 110 1.2 29.9 44.9#
 77 31.4 25.5 38.3

