

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121921\
 Data File : VU046490.D
 Acq On : 19 Dec 2021 13:31
 Operator : SY/MD
 Sample : M5062-13ME
 Misc : 6.12g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 00:26:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 20 00:25:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	151410	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.430	117	161528	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	80745	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	42950	34.436	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.880%
7) Chloroethane-d5	1.919	69	35489	37.060	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.120%
11) 1,1-Dichloroethene-d2	2.555	63	53511	23.899	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	47.800%#
21) 2-Butanone-d5	4.658	46	78877	79.554	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.550%
24) Chloroform-d	5.067	84	91339	43.853	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.700%
26) 1,2-Dichloroethane-d4	5.703	65	63206	45.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.440%
32) Benzene-d6	5.726	84	176489	38.121	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.240%
36) 1,2-Dichloropropane-d6	6.690	67	57992	40.418	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.840%
41) Toluene-d8	7.899	98	161597	38.336	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.680%#
43) trans-1,3-Dichloroprop...	8.189	79	29362	42.392	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.780%
47) 2-Hexanone-d5	8.690	63	66807	98.202	ug/L	0.05
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.200%
56) 1,1,2,2-Tetrachloroeth...	10.774	84	91528	42.063	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.120%
66) 1,2-Dichlorobenzene-d4	12.201	152	64742	41.635	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.260%

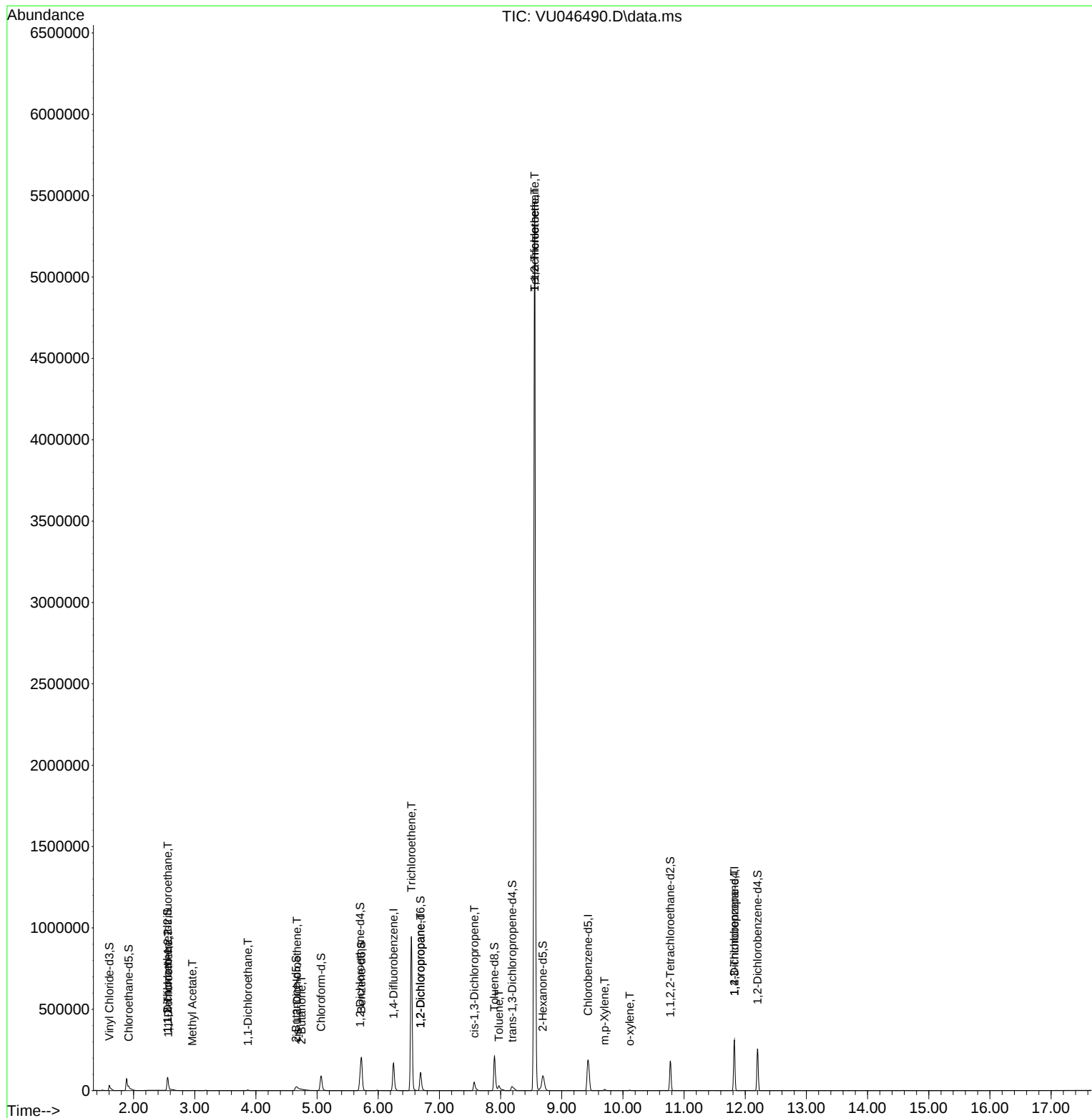
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.559	101	431	0.391	ug/L #	21
12) 1,1-Dichloroethene	2.568	96	4180	3.993	ug/L #	1
15) Methyl Acetate	2.961	43	2348	1.625	ug/L #	72
19) 1,1-Dichloroethane	3.867	63	5626	2.793	ug/L	96
20) cis-1,2-Dichloroethene	4.671	96	1143	0.951	ug/L	88
22) 2-Butanone	4.745	43	2379	1.764	ug/L	83
34) Trichloroethene	6.542	95	326872	253.797	ug/L	99
37) 1,2-Dichloropropane	6.690	63	6217	4.855	ug/L #	86
39) cis-1,3-Dichloropropene	7.571	75	1714	0.880	ug/L #	80
42) Toluene	7.973	91	19824	3.779	ug/L	98
45) 1,1,2-Trichloroethane	8.555	97	11572	9.007	ug/L #	1
46) Tetrachloroethene	8.555	164	1221204	1290.275	ug/L	99
53) m,p-Xylene	9.700	106	3209	1.457	ug/L	100
54) o-xylene	10.115	106	1411	0.660	ug/L	80
60) 1,2,3-Trichloropropane	11.822	75	9550	5.395	ug/L #	65

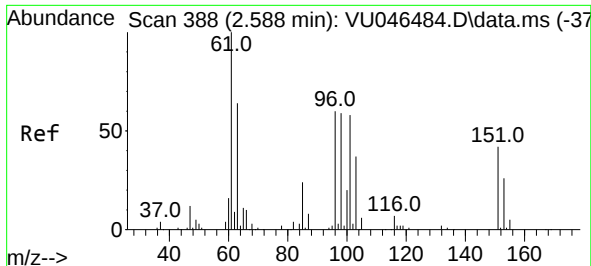
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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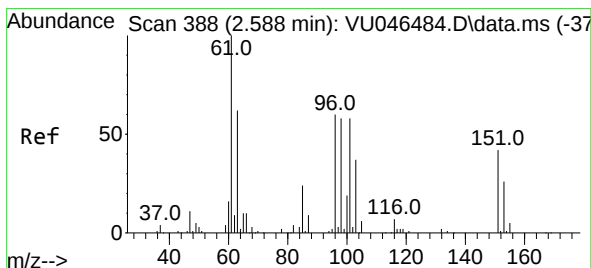
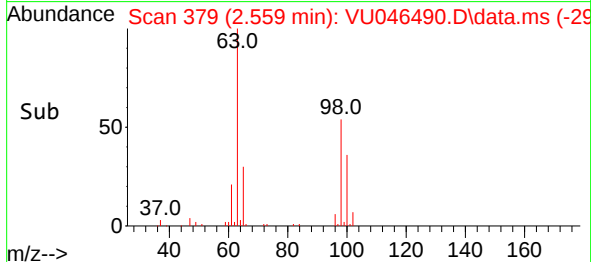
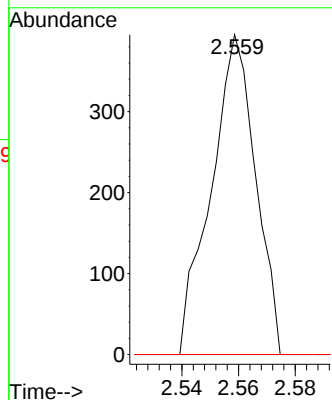
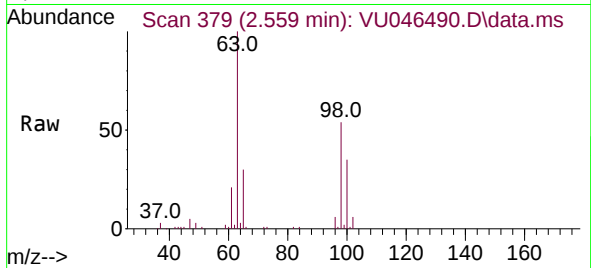




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.391 ug/L
RT: 2.559 min Scan# 31
Delta R.T. -0.029 min
Lab File: VU046490.D
Acq: 19 Dec 2021 13:31

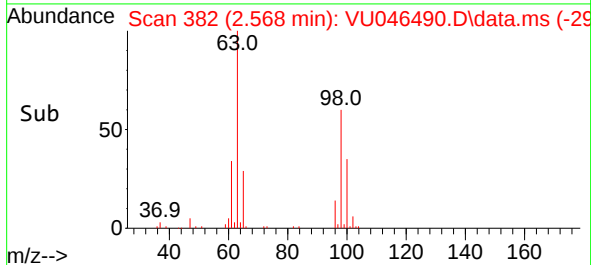
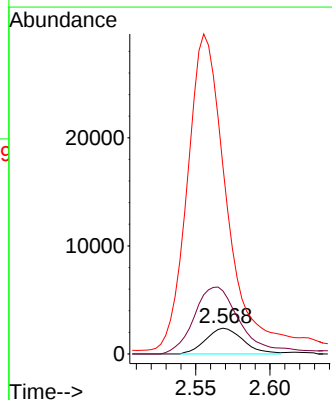
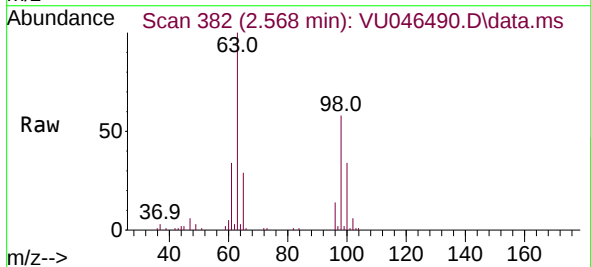
Instrument :
MSVOA_U
ClientSampleId :

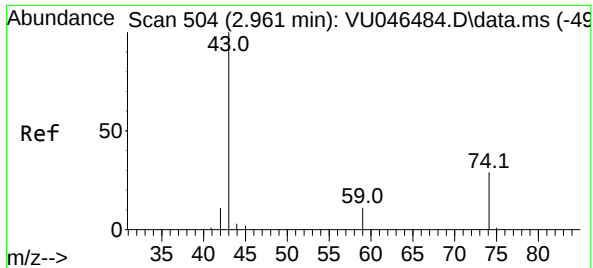
Tgt Ion:101 Resp: 431
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 3.993 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.019 min
Lab File: VU046490.D
Acq: 19 Dec 2021 13:31

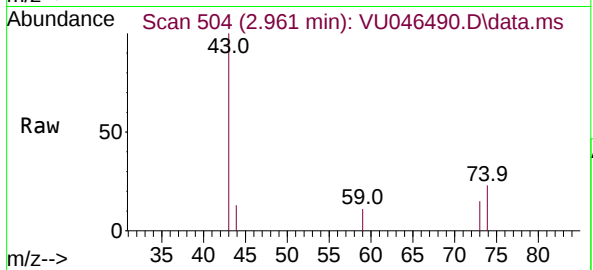
Tgt Ion: 96 Resp: 4180
Ion Ratio Lower Upper
96 100
61 244.8 118.6 220.2#
63 729.4 93.0 172.8#



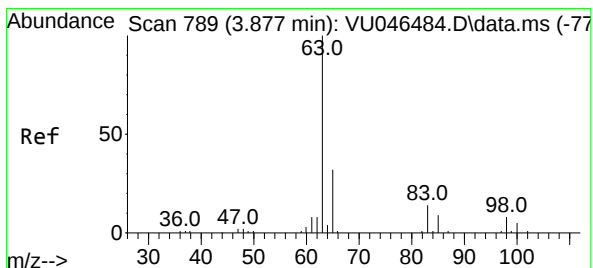
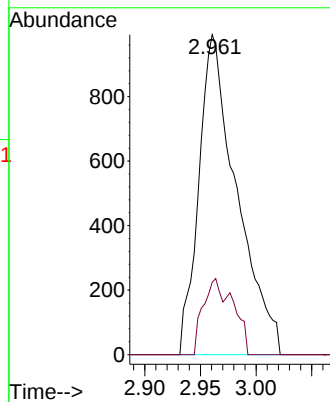
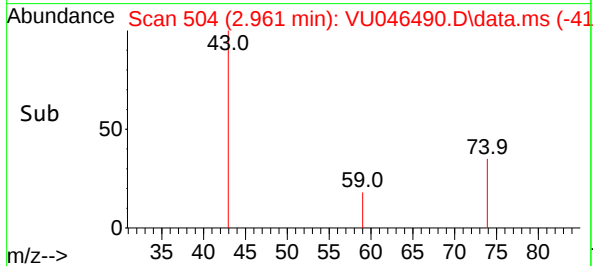


#15
Methyl Acetate
Concen: 1.625 ug/L
RT: 2.961 min Scan# 504
Delta R.T. -0.000 min
Lab File: VU046490.D
Acq: 19 Dec 2021 13:31

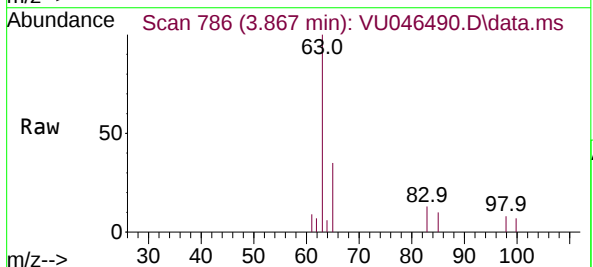
Instrument :
MSVOA_U
ClientSampleId :



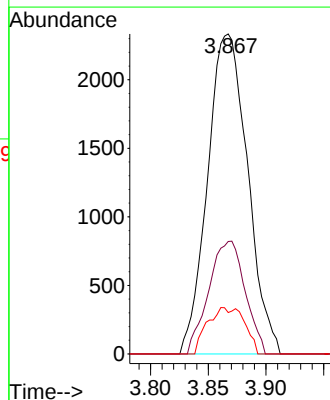
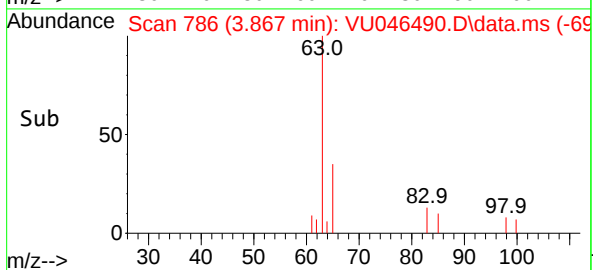
Tgt Ion: 43 Resp: 2348
Ion Ratio Lower Upper
43 100
74 11.7 20.8 31.2#

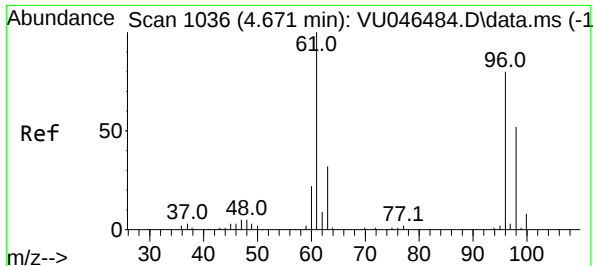


#19
1,1-Dichloroethane
Concen: 2.793 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.010 min
Lab File: VU046490.D
Acq: 19 Dec 2021 13:31



Tgt Ion: 63 Resp: 5626
Ion Ratio Lower Upper
63 100
65 35.1 22.8 42.4
83 12.9 9.6 17.8





#20

cis-1,2-Dichloroethene

Concen: 0.951 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046490.D

Acq: 19 Dec 2021 13:31

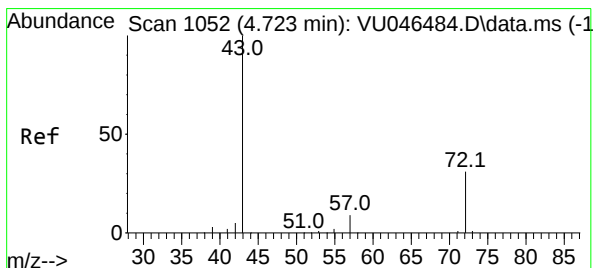
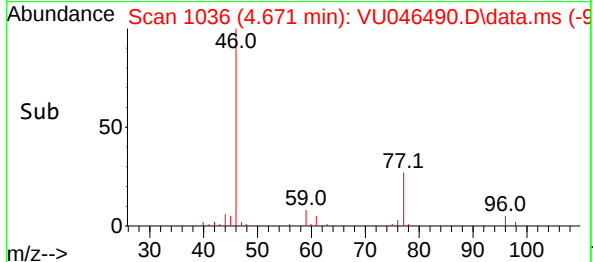
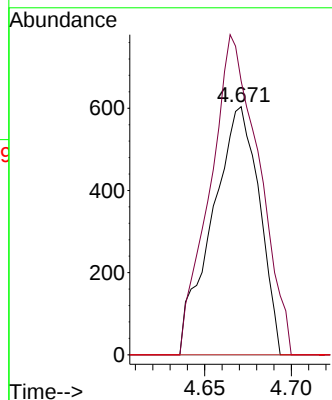
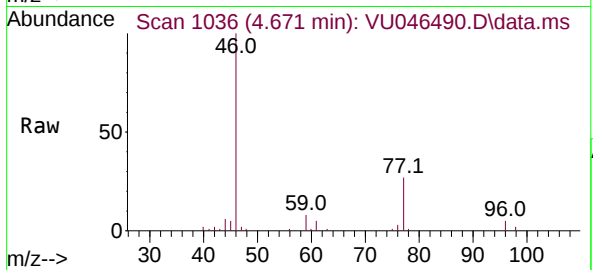
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 1143

Ion	Ratio	Lower	Upper
96	100		
61	110.3	86.8	161.2
68	0.0	0.0	0.0



#22

2-Butanone

Concen: 1.764 ug/L

RT: 4.745 min Scan# 1059

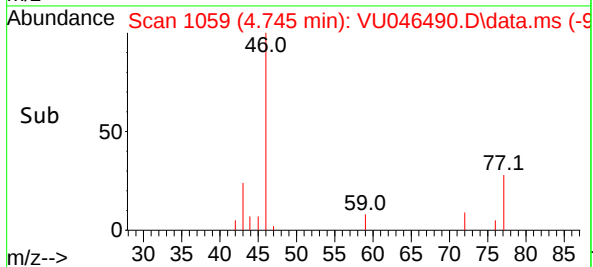
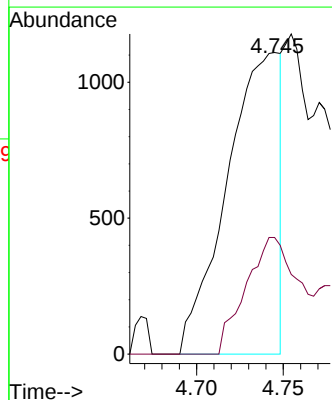
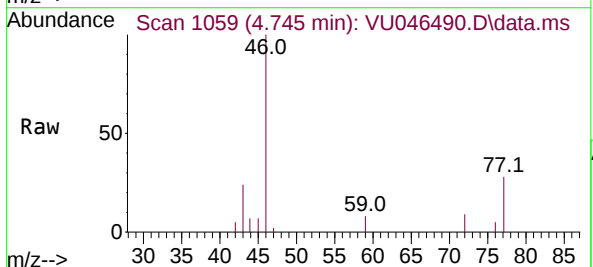
Delta R.T. 0.022 min

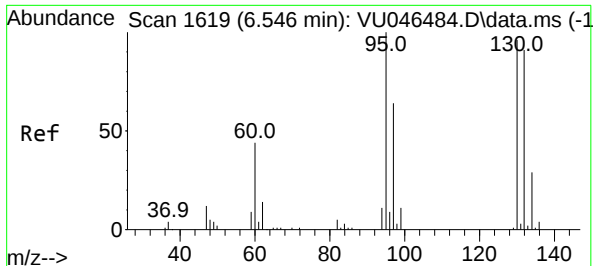
Lab File: VU046490.D

Acq: 19 Dec 2021 13:31

Tgt Ion: 43 Resp: 2379

Ion	Ratio	Lower	Upper
43	100		
72	38.3	14.5	43.6





#34

Trichloroethene

Concen: 253.797 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046490.D

Acq: 19 Dec 2021 13:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 326872

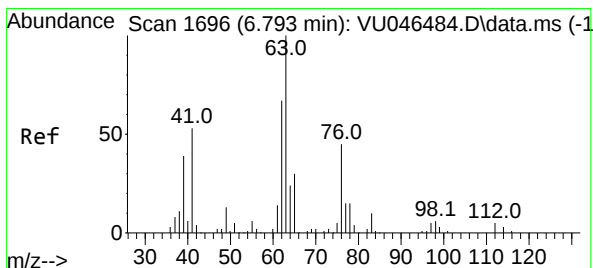
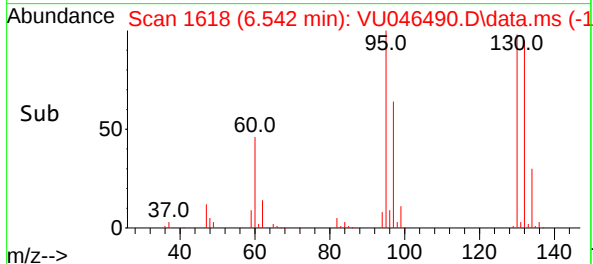
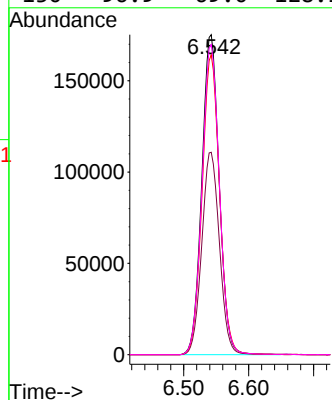
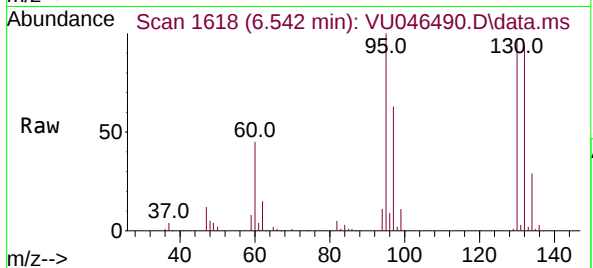
Ion Ratio Lower Upper

95 100

97 63.3 44.1 81.9

132 93.7 66.8 124.0

130 96.9 69.0 128.1



#37

1,2-Dichloropropane

Concen: 4.855 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.103 min

Lab File: VU046490.D

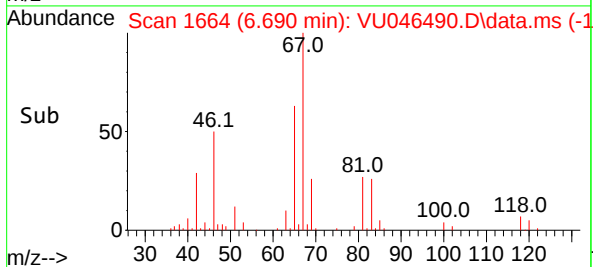
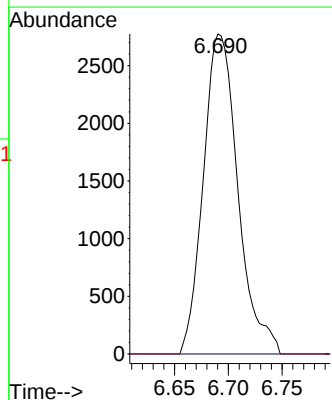
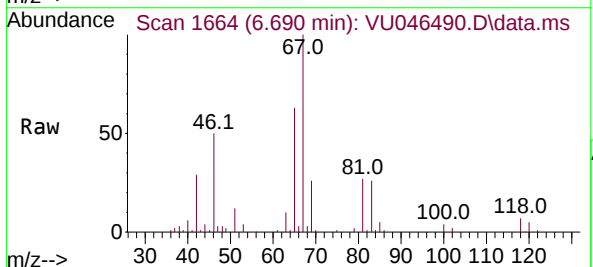
Acq: 19 Dec 2021 13:31

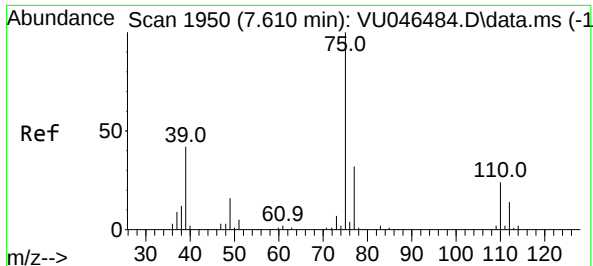
Tgt Ion: 63 Resp: 6217

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.880 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.039 min

Lab File: VU046490.D

Acq: 19 Dec 2021 13:31

Instrument :

MSVOA_U

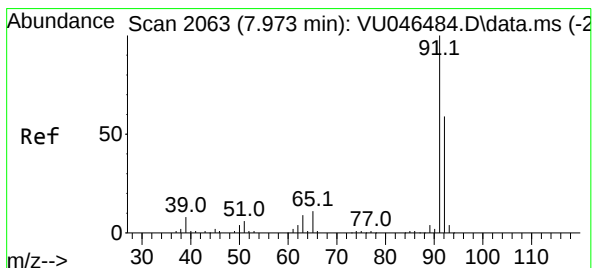
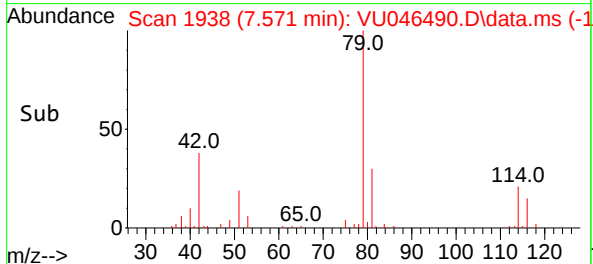
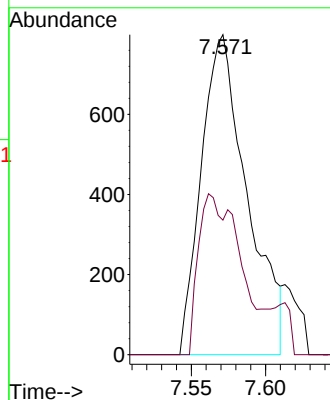
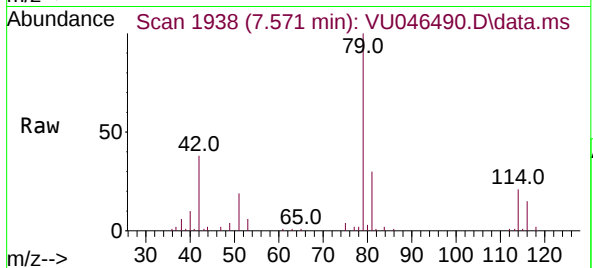
ClientSampleId :

Tgt Ion: 75 Resp: 1714

Ion Ratio Lower Upper

75 100

77 42.1 21.8 40.6#



#42

Toluene

Concen: 3.779 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046490.D

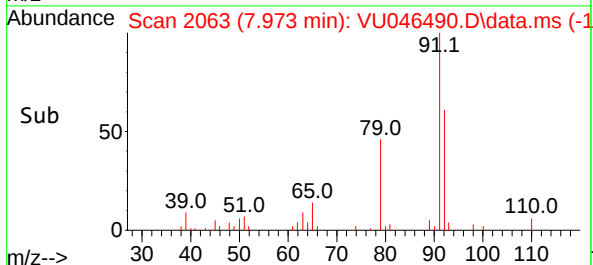
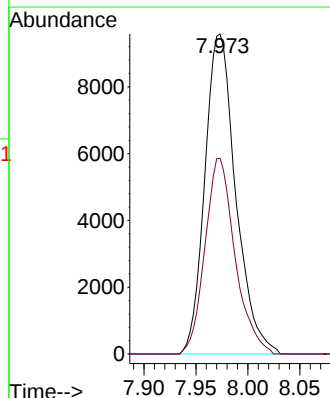
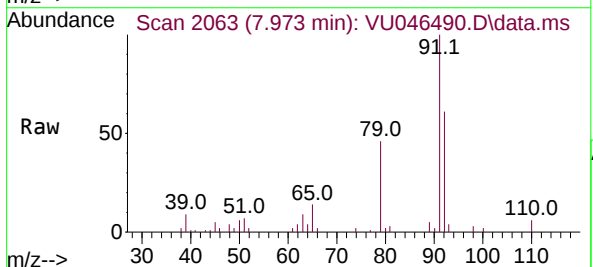
Acq: 19 Dec 2021 13:31

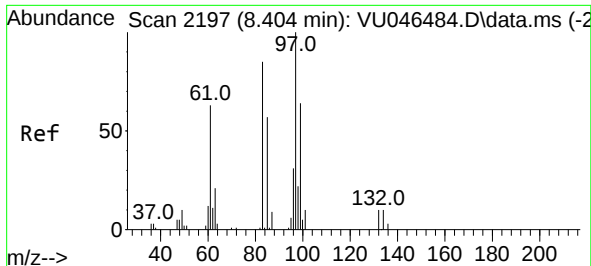
Tgt Ion: 91 Resp: 19824

Ion Ratio Lower Upper

91 100

92 61.2 41.9 77.7

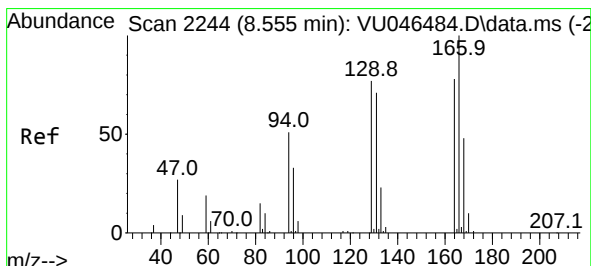
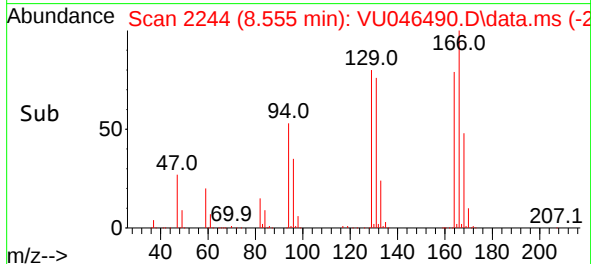
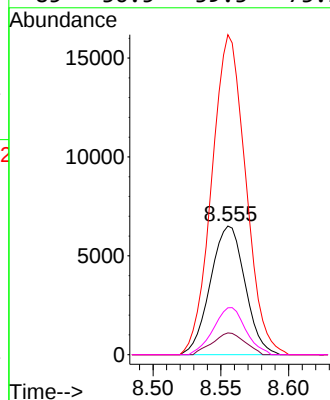
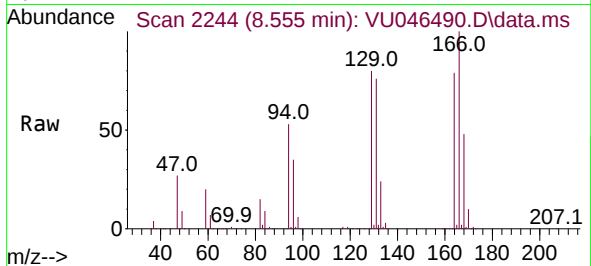




#45
1,1,2-Trichloroethane
Concen: 9.007 ug/L
RT: 8.555 min Scan# 2197
Delta R.T. 0.151 min
Lab File: VU046490.D
Acq: 19 Dec 2021 13:31

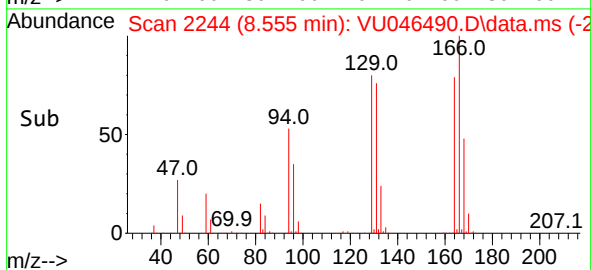
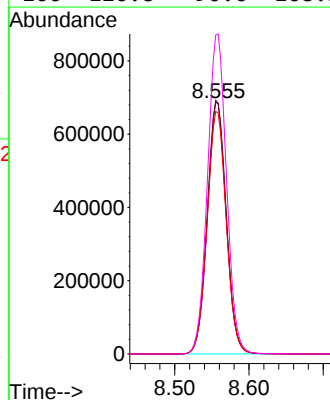
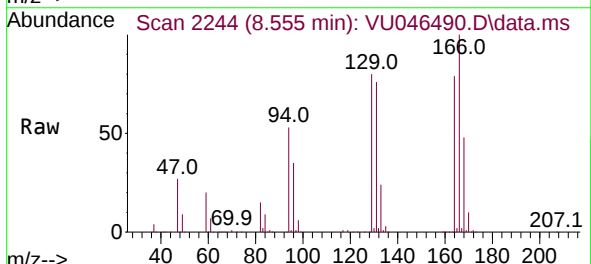
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ClientSampleId :

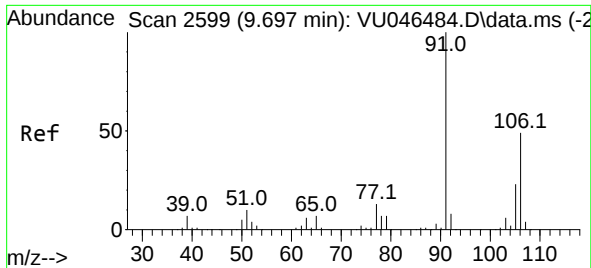
Tgt Ion: 97	Resp: 11572
Ion Ratio	Lower Upper
97 100	
99 16.9	44.7 82.9#
83 248.9	60.2 111.8#
85 36.5	39.3 73.1#



#46
Tetrachloroethene
Concen: 1290.275 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046490.D
Acq: 19 Dec 2021 13:31

Tgt Ion: 164	Resp: 1221204
Ion Ratio	Lower Upper
164 100	
129 100.9	71.1 132.1
131 96.4	67.8 126.0
166 126.8	90.6 168.2

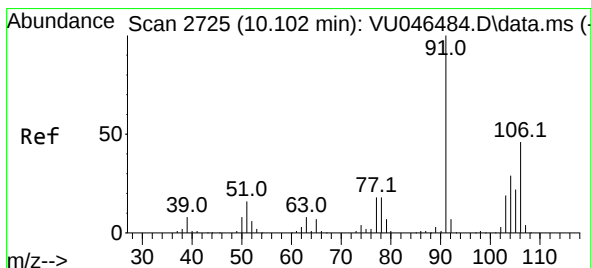
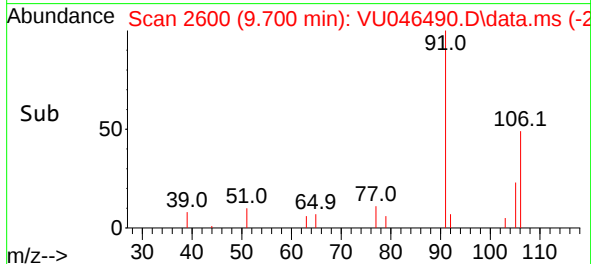
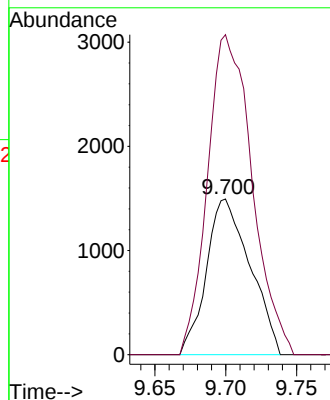
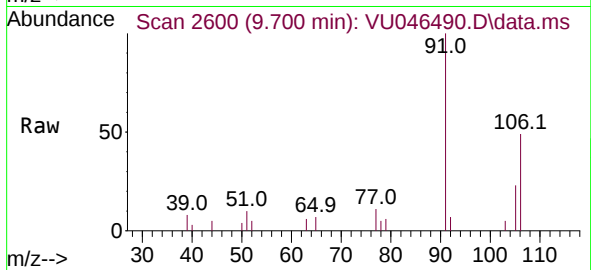




#53
m,p-Xylene
Concen: 1.457 ug/L
RT: 9.700 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046490.D
Acq: 19 Dec 2021 13:31

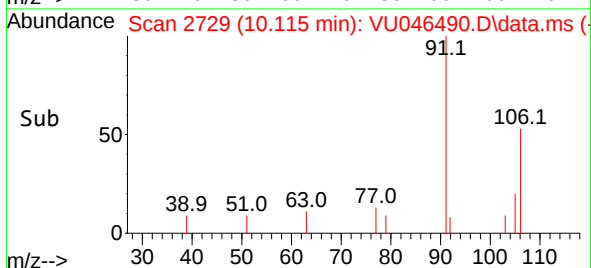
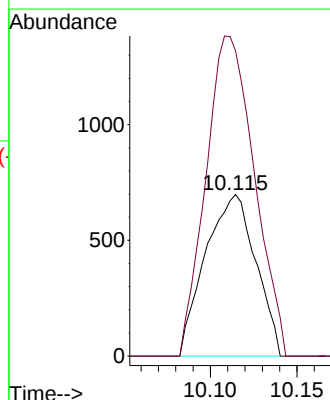
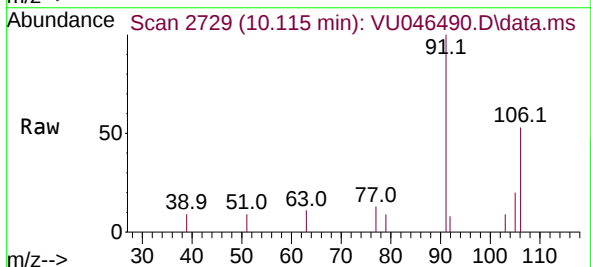
Instrument :
MSVOA_U
ClientSampleId :

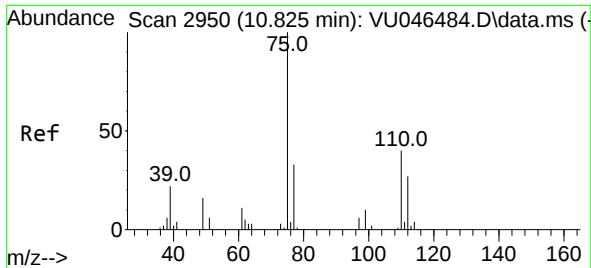
Tgt Ion:106 Resp: 3209
Ion Ratio Lower Upper
106 100
91 205.5 144.3 268.1



#54
o-xylene
Concen: 0.660 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.013 min
Lab File: VU046490.D
Acq: 19 Dec 2021 13:31

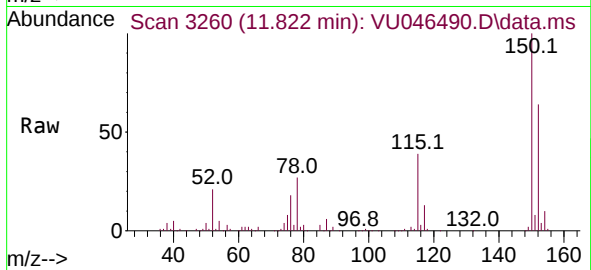
Tgt Ion:106 Resp: 1411
Ion Ratio Lower Upper
106 100
91 188.8 154.2 286.4





#60
 1,2,3-Trichloropropane
 Concen: 5.395 ug/L
 RT: 11.822 min Scan# 31
 Delta R.T. 0.997 min
 Lab File: VU046490.D
 Acq: 19 Dec 2021 13:31

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 9550
 Ion Ratio Lower Upper
 75 100
 77 33.9 26.4 39.6
 110 2.2 32.4 48.6#

