

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046180.D
 Acq On : 08 Dec 2021 16:56
 Operator : SY/MD
 Sample : M4887-15ME
 Misc : 4.56g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 09 03:20:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

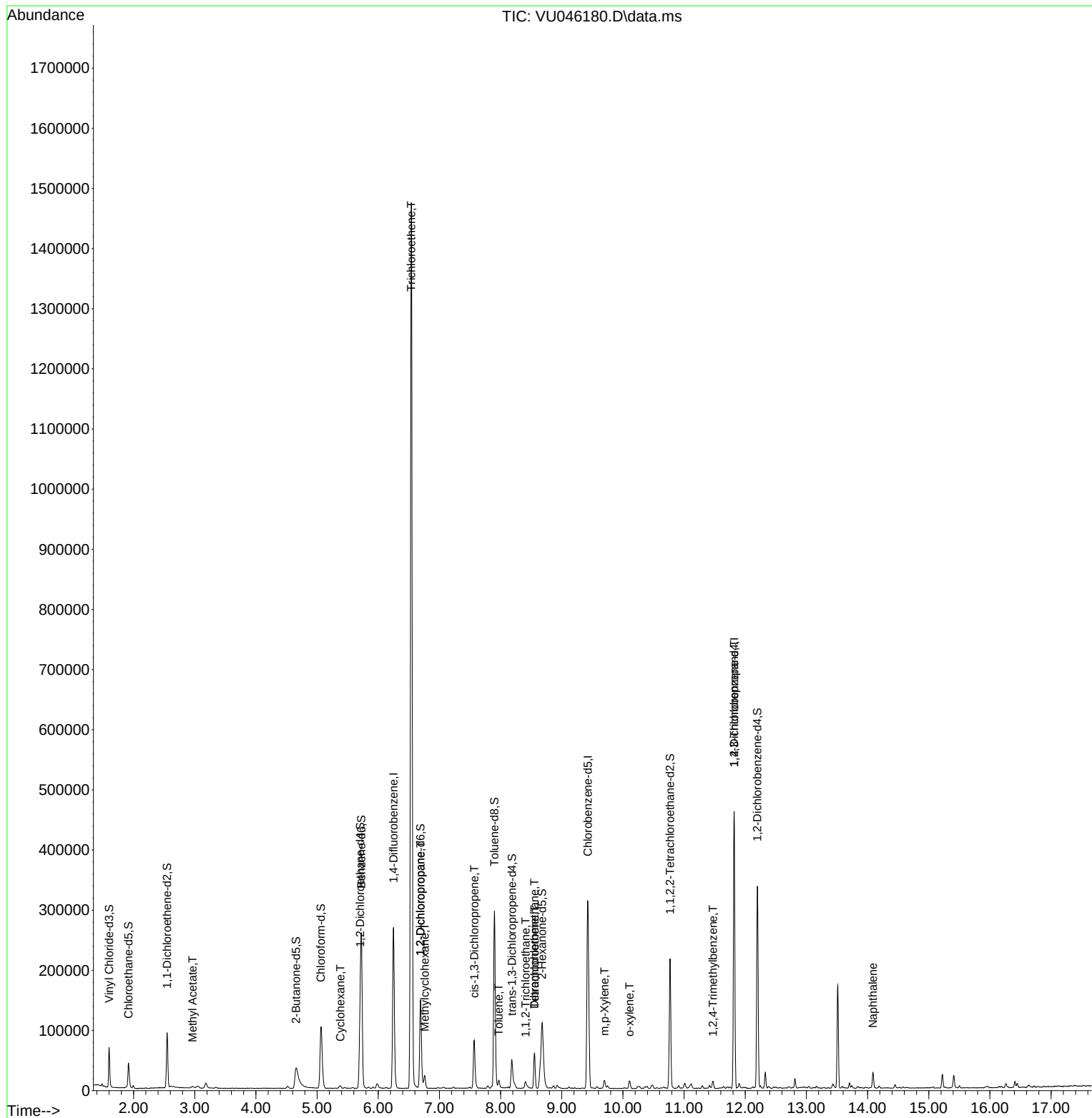
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	239275	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	236690	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	124034	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	53969	27.381	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	54.760%#		
7) Chloroethane-d5	1.916	69	39279	25.955	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	51.920%#		
11) 1,1-Dichloroethene-d2	2.549	63	54657	15.447	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	30.900%#		
21) 2-Butanone-d5	4.658	46	89870	57.356	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	57.360%		
24) Chloroform-d	5.063	84	100153	30.428	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	60.860%#		
26) 1,2-Dichloroethane-d4	5.703	65	74763	33.845	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	67.700%#		
32) Benzene-d6	5.722	84	235520	34.717	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	69.440%#		
36) 1,2-Dichloropropane-d6	6.690	67	74029	35.211	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	70.420%		
41) Toluene-d8	7.899	98	213803	34.614	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	69.220%#		
43) trans-1,3-Dichloroprop...	8.185	79	37478	36.927	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.860%		
47) 2-Hexanone-d5	8.677	63	75190	75.427	ug/L	0.04
Spiked Amount 100.000	Range 45 - 130		Recovery =	75.430%		
56) 1,1,2,2-Tetrachloroeth...	10.771	84	108445	34.012	ug/L	0.01
Spiked Amount 50.000	Range 65 - 120		Recovery =	68.020%		
66) 1,2-Dichlorobenzene-d4	12.198	152	88849	37.196	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	74.400%#		
Target Compounds						Qvalue
15) Methyl Acetate	2.964	43	4103	1.797	ug/L	96
29) Cyclohexane	5.382	56	2398	0.870	ug/L	91
34) Trichloroethene	6.539	95	516240	273.545	ug/L	99
35) Methylcyclohexane	6.761	83	9886	3.378	ug/L	98
37) 1,2-Dichloropropane	6.690	63	7946	4.234	ug/L #	86
39) cis-1,3-Dichloropropene	7.571	75	2195	0.769	ug/L #	72
42) Toluene	7.970	91	11243	1.463	ug/L	91
45) 1,1,2-Trichloroethane	8.407	97	5781	3.071	ug/L	93
46) Tetrachloroethene	8.555	164	13841	9.980	ug/L	94
49) Dibromochloromethane	8.552	129	13535	6.846	ug/L #	10
53) m,p-Xylene	9.700	106	4714	1.461	ug/L	97
54) o-xylene	10.108	106	4294	1.372	ug/L	97
60) 1,2,3-Trichloropropane	11.819	75	13726	5.048	ug/L #	65
63) 1,2,4-Trimethylbenzene	11.471	105	7559	1.123	ug/L	96
71) Naphthalene	14.089	128	20875	2.420	ug/L	99

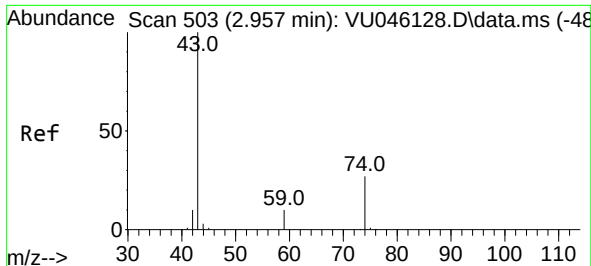
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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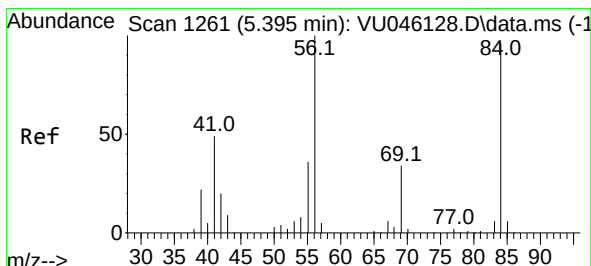
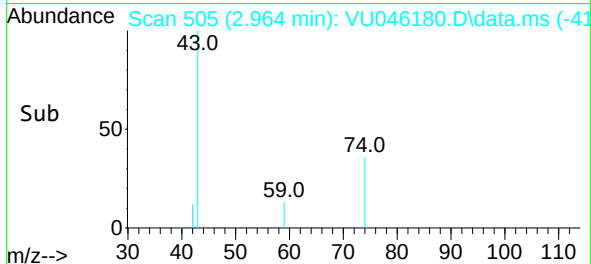
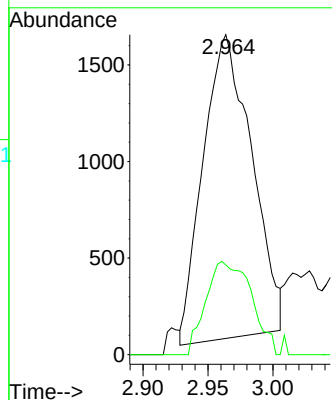
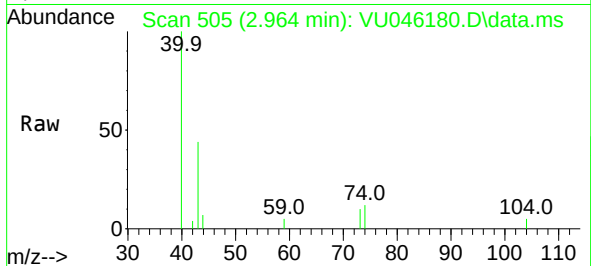




#15
Methyl Acetate
Concen: 1.797 ug/L
RT: 2.964 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU046180.D
Acq: 08 Dec 2021 16:56

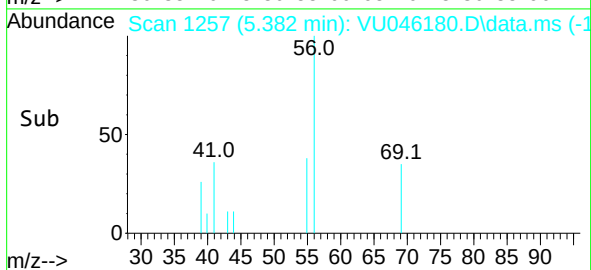
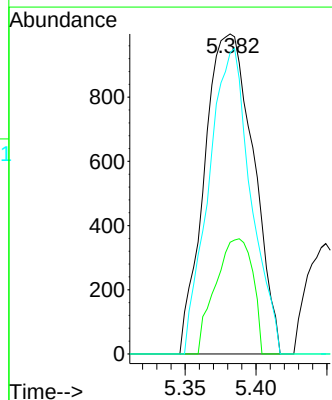
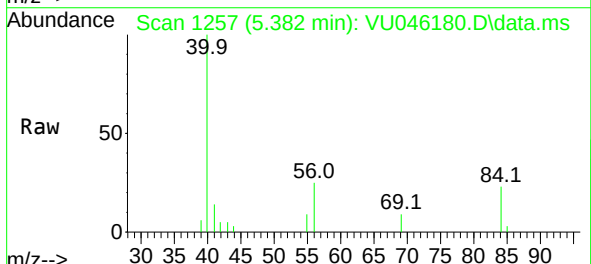
Instrument :
MSVOA_U
ClientSampleId :

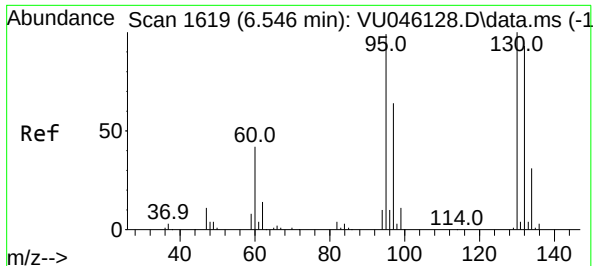
Tgt Ion: 43 Resp: 4103
Ion Ratio Lower Upper
43 100
74 28.2 20.8 31.2



#29
Cyclohexane
Concen: 0.870 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU046180.D
Acq: 08 Dec 2021 16:56

Tgt Ion: 56 Resp: 2398
Ion Ratio Lower Upper
56 100
69 27.3 25.2 37.8
84 82.2 73.3 109.9

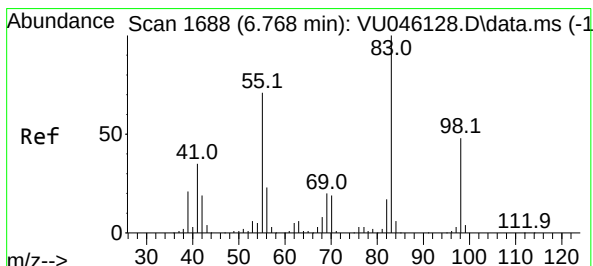
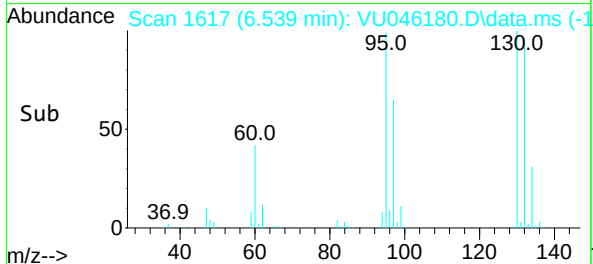
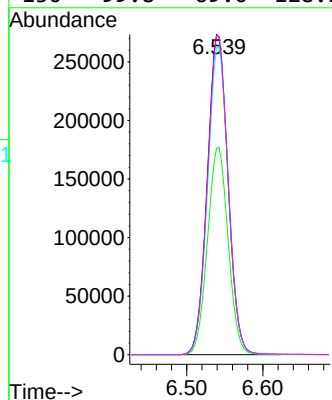
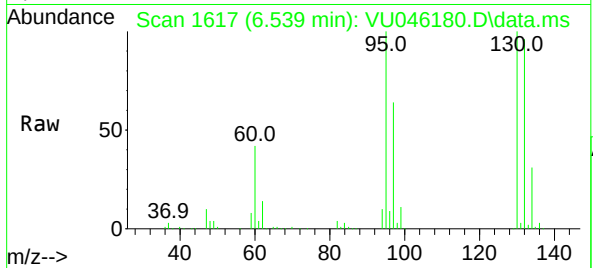




#34
Trichloroethene
Concen: 273.545 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.007 min
Lab File: VU046180.D
Acq: 08 Dec 2021 16:56

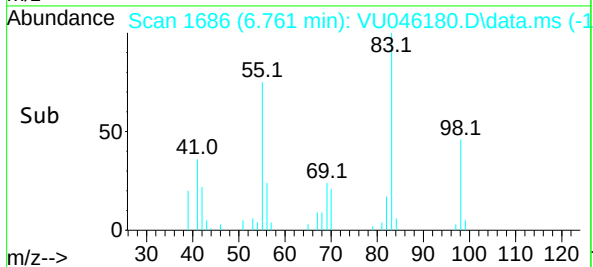
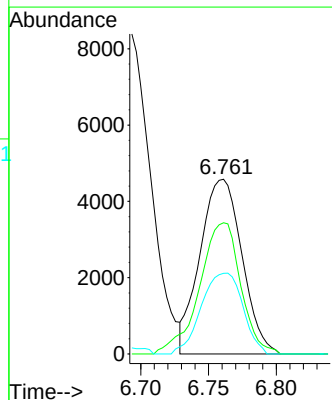
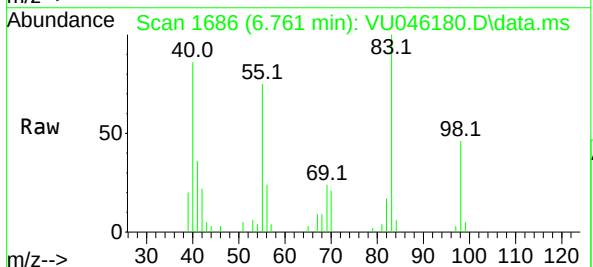
Instrument :
MSVOA_U
ClientSampleId :

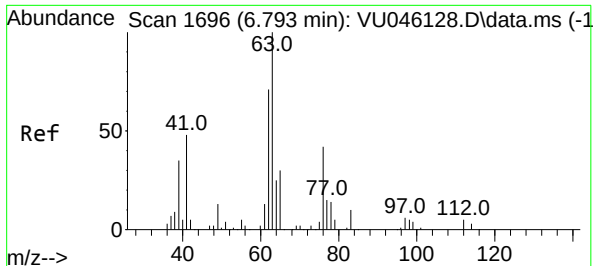
Tgt Ion: 95 Resp: 516240
Ion Ratio Lower Upper
95 100
97 64.5 44.1 81.9
132 95.9 66.8 124.0
130 99.8 69.0 128.1



#35
Methylcyclohexane
Concen: 3.378 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.007 min
Lab File: VU046180.D
Acq: 08 Dec 2021 16:56

Tgt Ion: 83 Resp: 9886
Ion Ratio Lower Upper
83 100
55 73.4 57.8 86.6
98 45.6 38.4 57.6





#37

1,2-Dichloropropane

Concen: 4.234 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046180.D

Acq: 08 Dec 2021 16:56

Instrument :

MSVOA_U

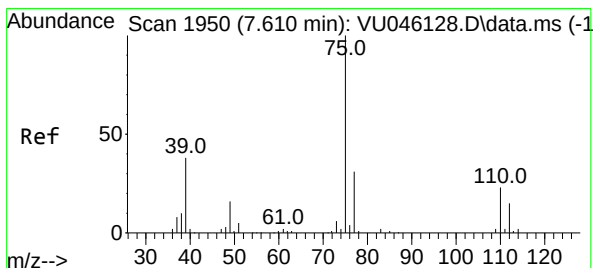
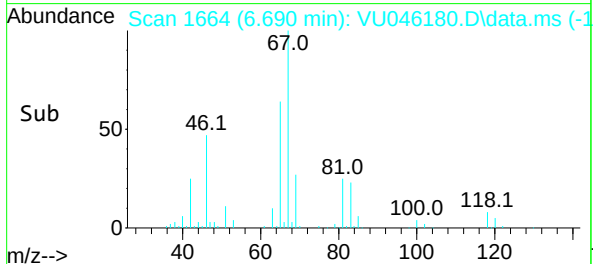
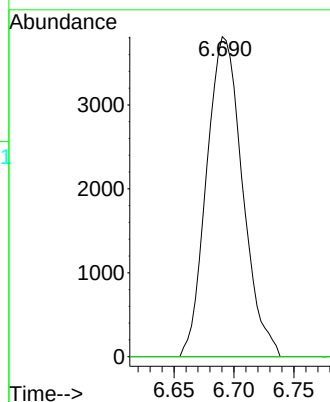
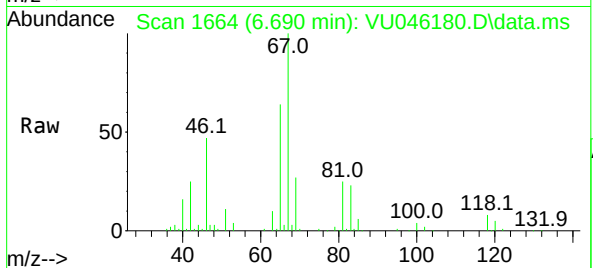
ClientSampleId :

Tgt Ion: 63 Resp: 7946

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.769 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.039 min

Lab File: VU046180.D

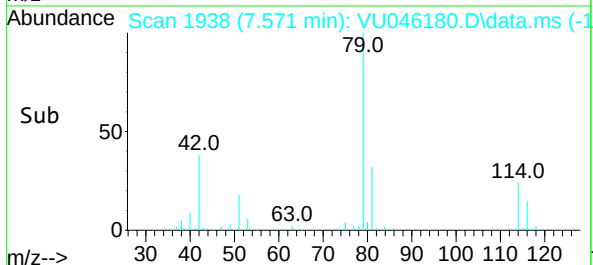
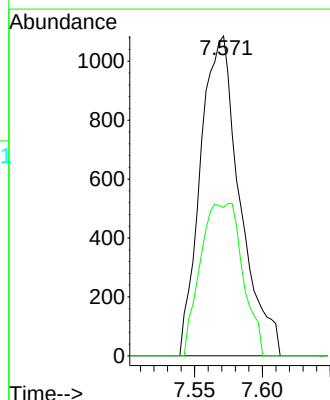
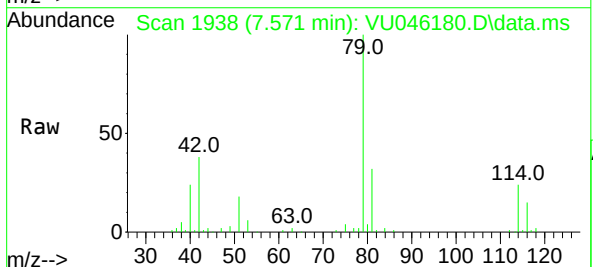
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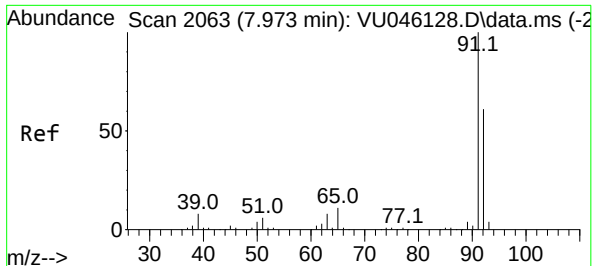
Tgt Ion: 75 Resp: 2195

Ion Ratio Lower Upper

75 100

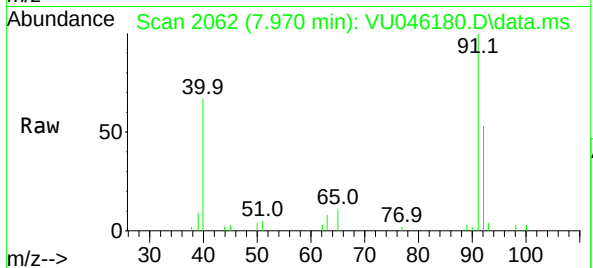
77 46.4 21.8 40.6#



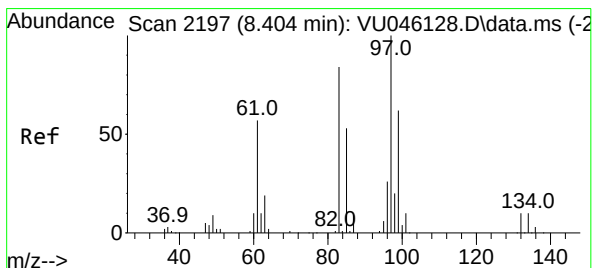
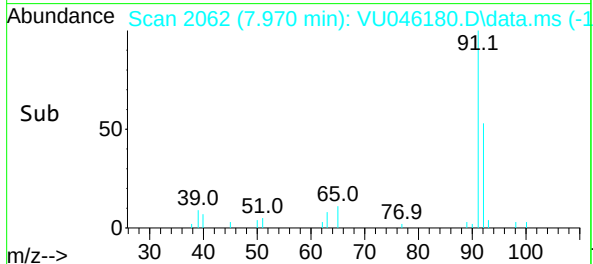
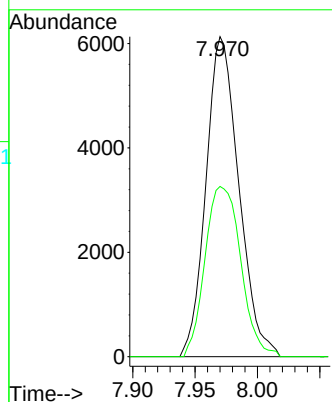


#42
Toluene
Concen: 1.463 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VU046180.D
Acq: 08 Dec 2021 16:56

Instrument :
MSVOA_U
ClientSampleId :

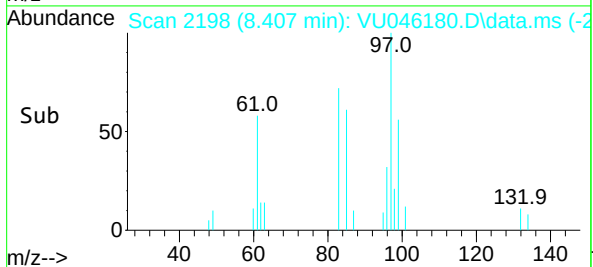
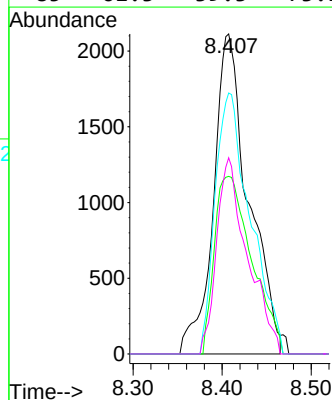
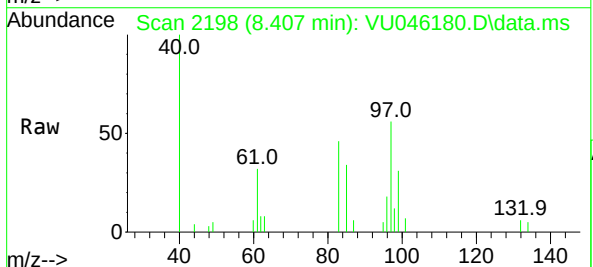


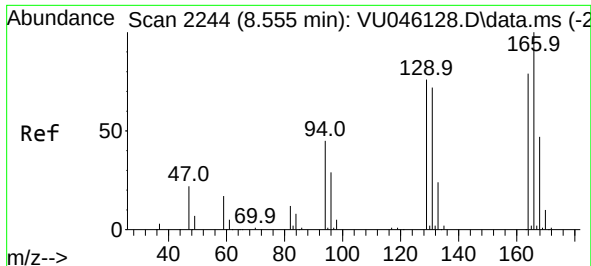
Tgt Ion: 91 Resp: 11243
Ion Ratio Lower Upper
91 100
92 53.2 41.9 77.7



#45
1,1,2-Trichloroethane
Concen: 3.071 ug/L
RT: 8.407 min Scan# 2198
Delta R.T. 0.003 min
Lab File: VU046180.D
Acq: 08 Dec 2021 16:56

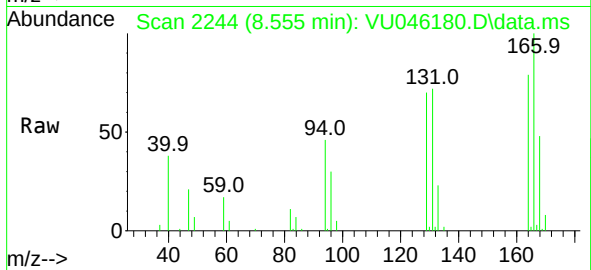
Tgt Ion: 97 Resp: 5781
Ion Ratio Lower Upper
97 100
99 55.5 44.7 82.9
83 81.5 60.2 111.8
85 61.3 39.3 73.1



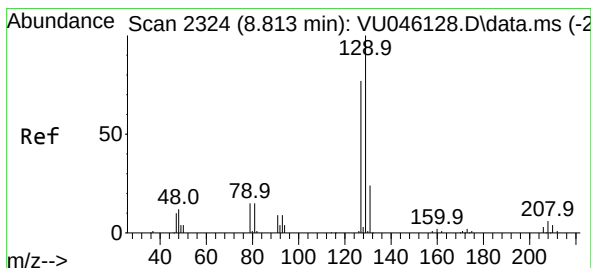
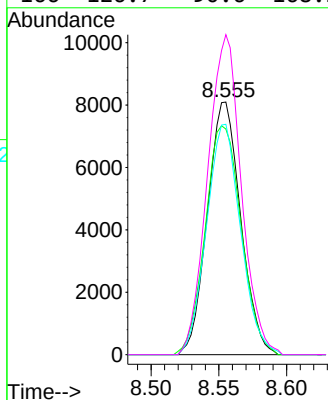
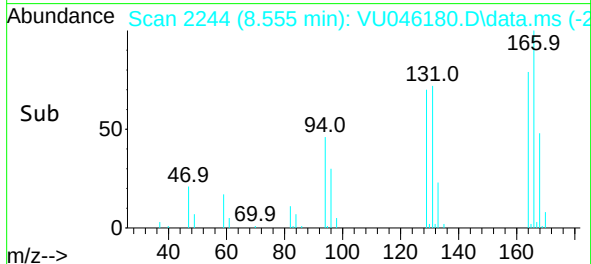


#46
Tetrachloroethene
Concen: 9.980 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046180.D
Acq: 08 Dec 2021 16:56

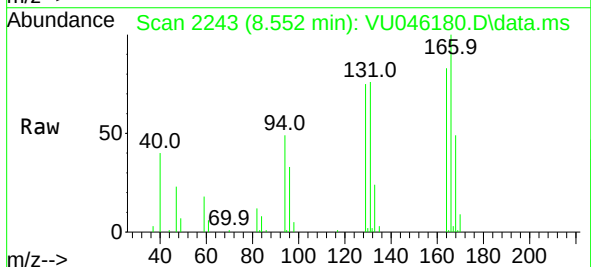
Instrument :
MSVOA_U
ClientSampleId :



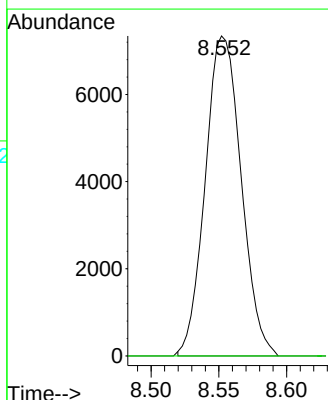
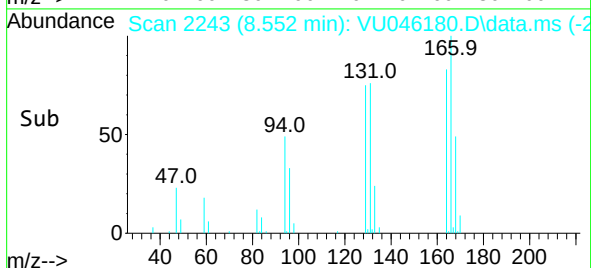
Tgt Ion:164 Resp: 13841
Ion Ratio Lower Upper
164 100
129 89.3 71.1 132.1
131 91.2 67.8 126.0
166 126.7 90.6 168.2

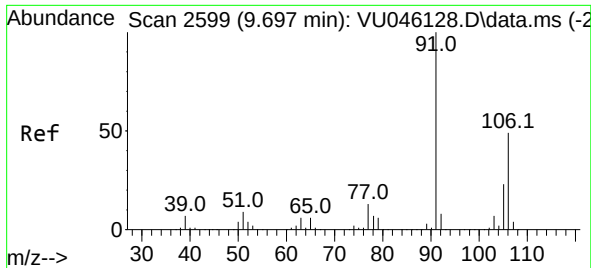


#49
Dibromochloromethane
Concen: 6.846 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.261 min
Lab File: VU046180.D
Acq: 08 Dec 2021 16:56



Tgt Ion:129 Resp: 13535
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#

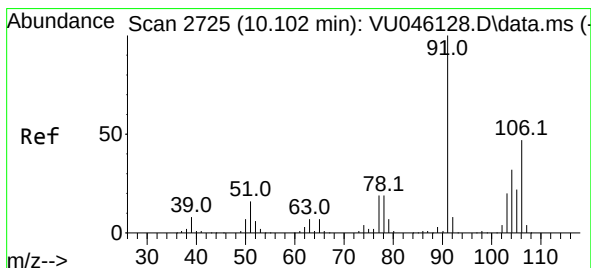
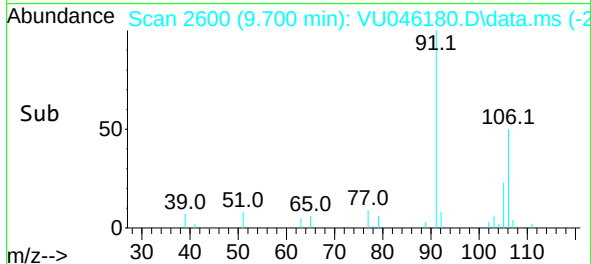
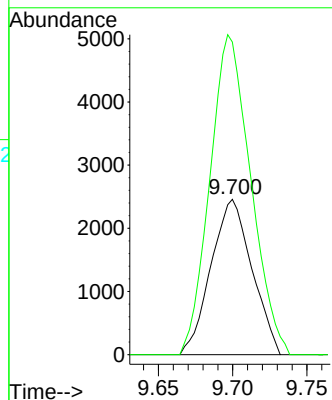
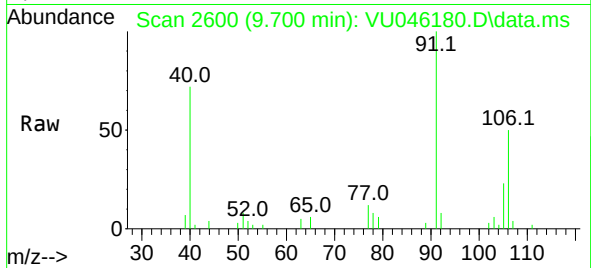




#53
m,p-Xylene
Concen: 1.461 ug/L
RT: 9.700 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU046180.D
Acq: 08 Dec 2021 16:56

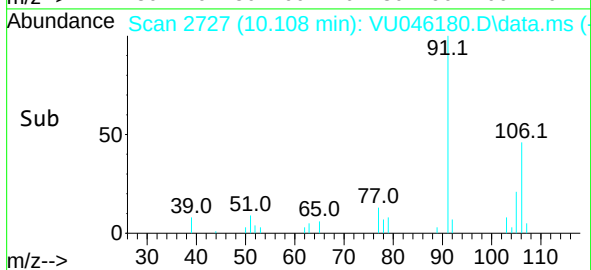
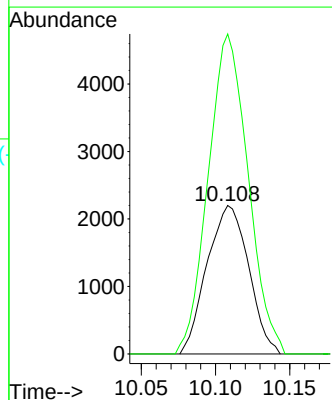
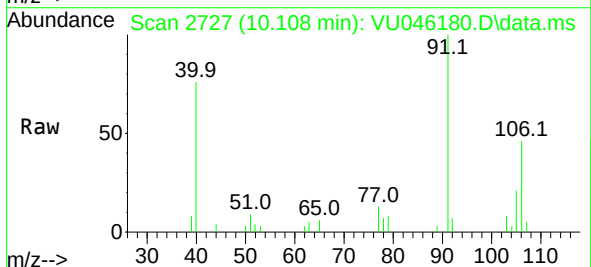
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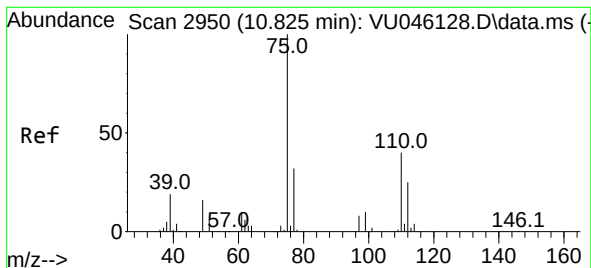
Tgt Ion:106 Resp: 4714
Ion Ratio Lower Upper
106 100
91 201.1 144.3 268.1



#54
o-xylene
Concen: 1.372 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.003 min
Lab File: VU046180.D
Acq: 08 Dec 2021 16:56

Tgt Ion:106 Resp: 4294
Ion Ratio Lower Upper
106 100
91 215.6 154.2 286.4





#60

1,2,3-Trichloropropane

Concen: 5.048 ug/L

RT: 11.819 min Scan# 31

Delta R.T. 0.993 min

Lab File: VU046180.D

Acq: 08 Dec 2021 16:56

Instrument :

MSVOA_U

ClientSampleId :

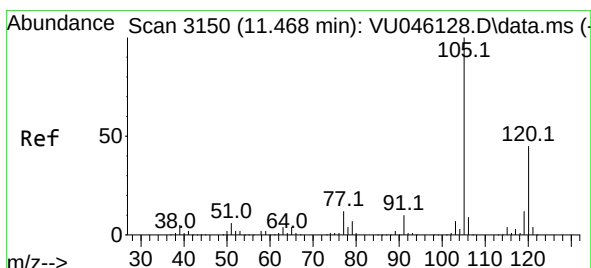
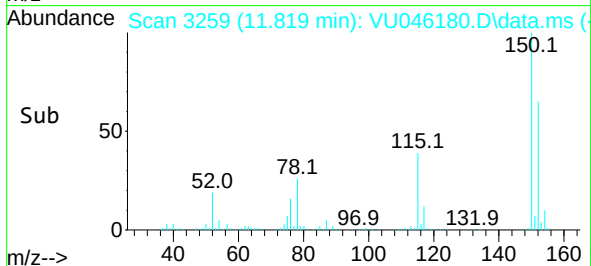
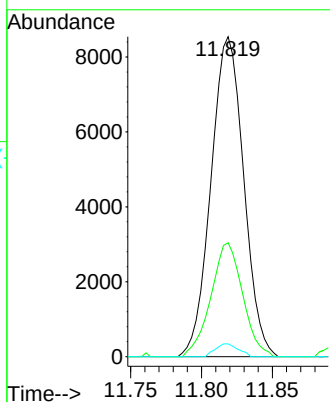
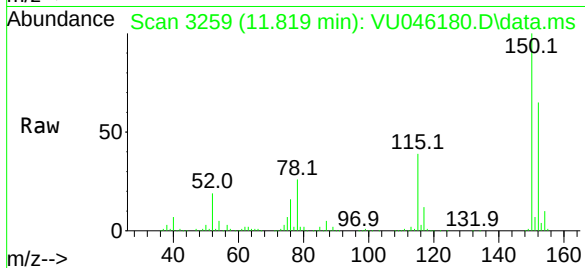
Tgt Ion: 75 Resp: 13726

Ion Ratio Lower Upper

75 100

77 34.6 26.4 39.6

110 2.8 32.4 48.6#



#63

1,2,4-Trimethylbenzene

Concen: 1.123 ug/L

RT: 11.471 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VU046180.D

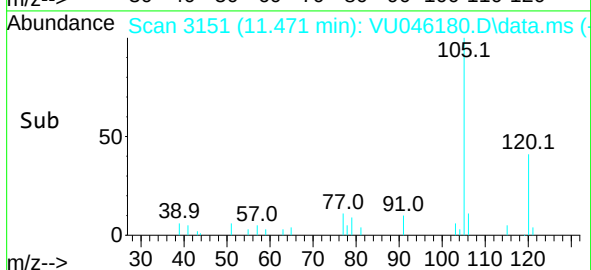
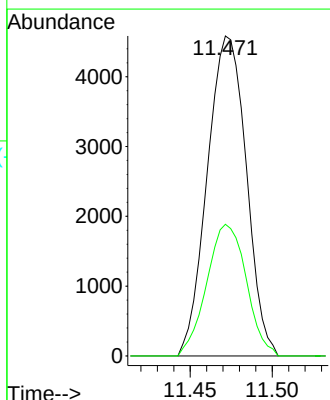
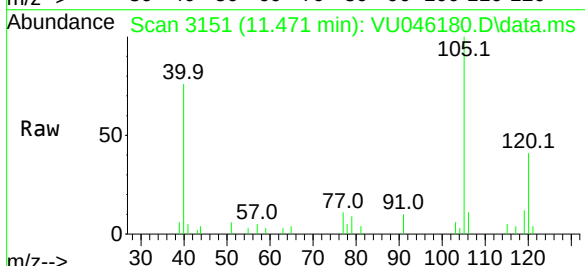
Acq: 08 Dec 2021 16:56

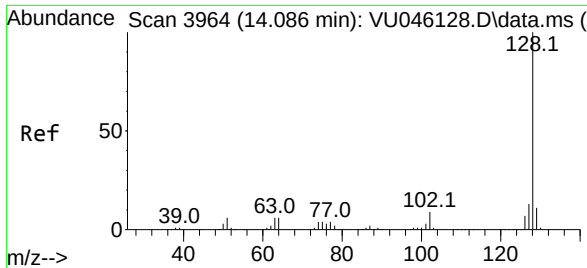
Tgt Ion: 105 Resp: 7559

Ion Ratio Lower Upper

105 100

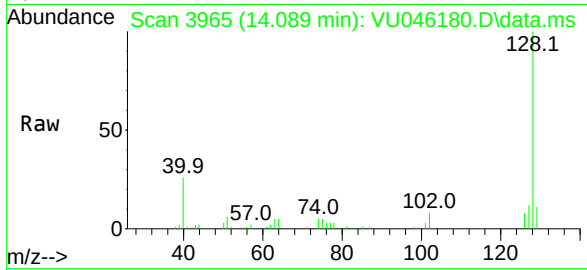
120 41.7 35.2 52.8





#71
Naphthalene
Concen: 2.420 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU046180.D
Acq: 08 Dec 2021 16:56

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	11.3	8.6	13.0

