

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046173.D
 Acq On : 08 Dec 2021 14:20
 Operator : SY/MD
 Sample : M4887-05ME
 Misc : 5.33g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 09 03:19:50 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)

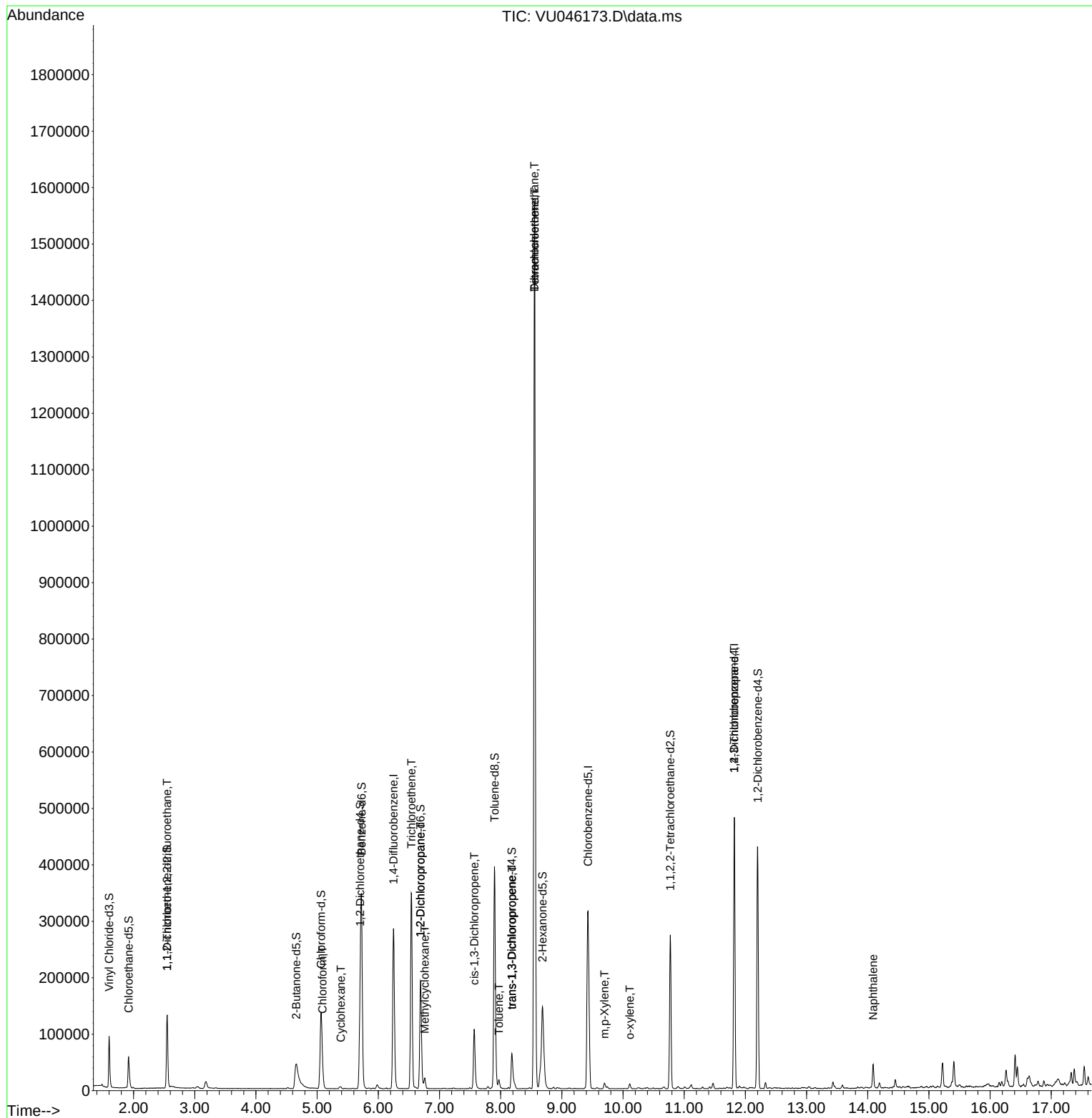
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	260417	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	253609	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	131596	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	74988	34.956	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	69.920%		
7) Chloroethane-d5	1.919	69	53674	32.588	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	65.180%#		
11) 1,1-Dichloroethene-d2	2.549	63	75806	19.685	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	39.360%#		
21) 2-Butanone-d5	4.658	46	115878	67.951	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	67.950%		
24) Chloroform-d	5.063	84	131114	36.600	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	73.200%		
26) 1,2-Dichloroethane-d4	5.703	65	97488	40.550	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.100%		
32) Benzene-d6	5.726	84	312062	42.931	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.860%		
36) 1,2-Dichloropropane-d6	6.690	67	98279	43.626	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.260%		
41) Toluene-d8	7.899	98	288556	43.600	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.200%		
43) trans-1,3-Dichloroprop...	8.182	79	49082	45.134	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.260%		
47) 2-Hexanone-d5	8.684	63	97935	91.690	ug/L	0.05
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.690%		
56) 1,1,2,2-Tetrachloroeth...	10.774	84	138072	40.415	ug/L	0.02
Spiked Amount 50.000	Range 65 - 120		Recovery =	80.820%		
66) 1,2-Dichlorobenzene-d4	12.201	152	116686	46.043	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.080%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.549	101	781	0.412	ug/L #	21
25) Chloroform	5.089	83	16163	4.199	ug/L	98
29) Cyclohexane	5.385	56	2005	0.679	ug/L #	88
34) Trichloroethene	6.539	95	119952	59.320	ug/L	98
35) Methylcyclohexane	6.761	83	8186	2.611	ug/L	99
37) 1,2-Dichloropropane	6.690	63	10244	5.095	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2718	0.889	ug/L #	58
42) Toluene	7.970	91	12925	1.569	ug/L	98
44) trans-1,3-Dichloropropene	8.185	75	1964	0.654	ug/L	94
46) Tetrachloroethene	8.555	164	369637	248.744	ug/L	96
49) Dibromochloromethane	8.552	129	354770	167.473	ug/L #	10
53) m,p-Xylene	9.697	106	3798	1.099	ug/L	94
54) o-xylene	10.111	106	2693	0.803	ug/L	88
60) 1,2,3-Trichloropropane	11.819	75	15157	5.254	ug/L #	66
71) Naphthalene	14.089	128	31154	3.404	ug/L	99

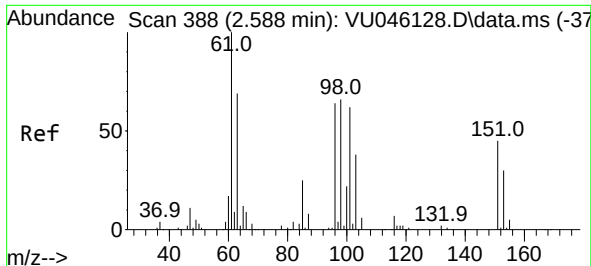
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_U
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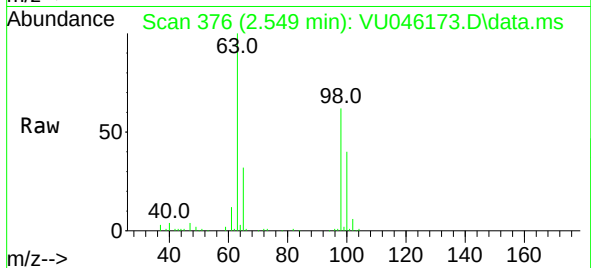
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
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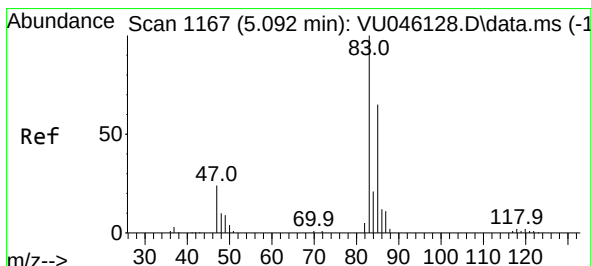
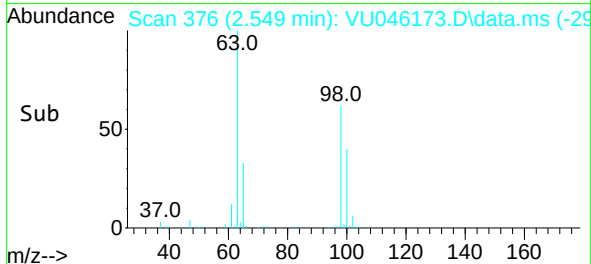
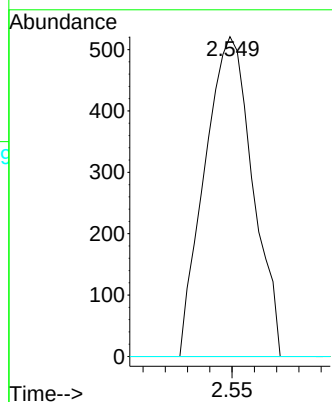


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.412 ug/L
 RT: 2.549 min Scan# 31
 Delta R.T. -0.039 min
 Lab File: VU046173.D
 Acq: 08 Dec 2021 14:20

Instrument :
 MSVOA_U
 ClientSampleId :

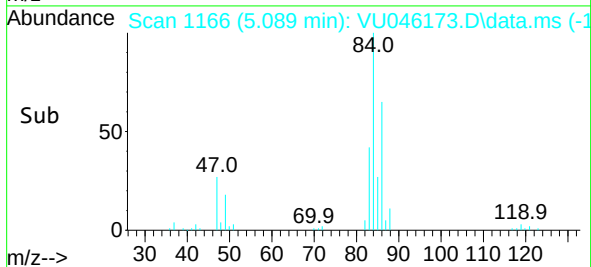
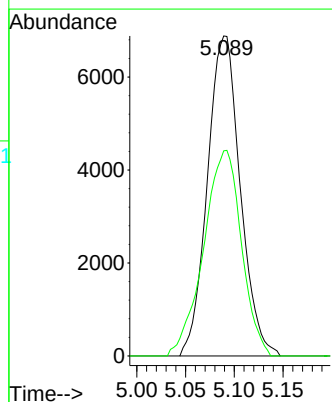
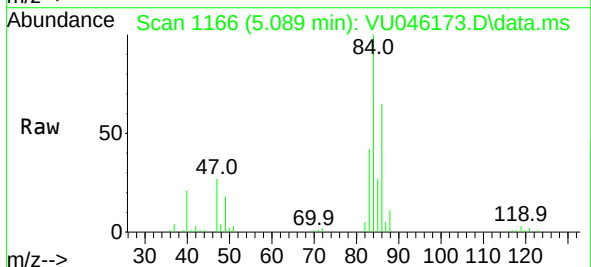


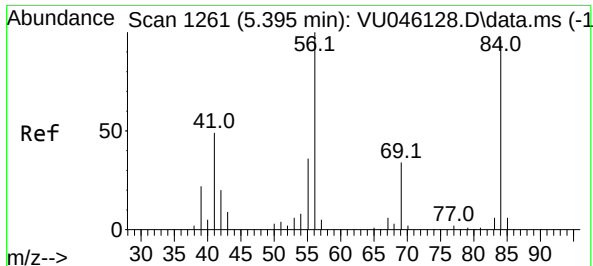
Tgt Ion:101 Resp: 781
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#25
 Chloroform
 Concen: 4.199 ug/L
 RT: 5.089 min Scan# 1166
 Delta R.T. -0.003 min
 Lab File: VU046173.D
 Acq: 08 Dec 2021 14:20

Tgt Ion: 83 Resp: 16163
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.8 85.2





#29

Cyclohexane

Concen: 0.679 ug/L

RT: 5.385 min Scan# 11

Delta R.T. -0.010 min

Lab File: VU046173.D

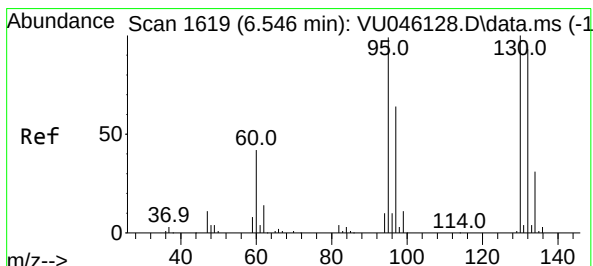
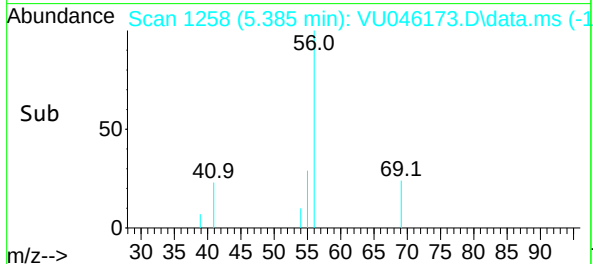
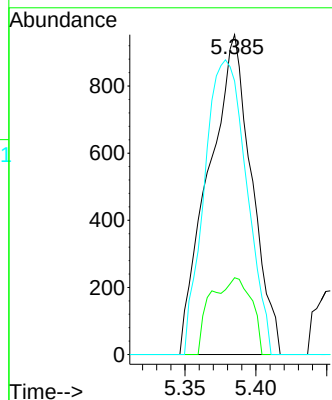
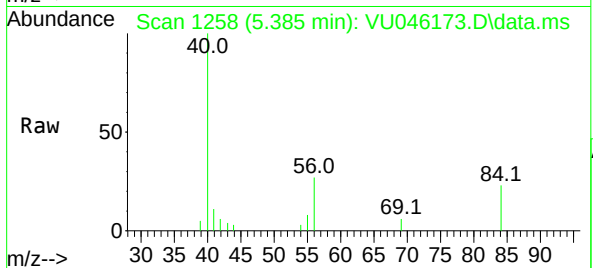
Acq: 08 Dec 2021 14:20

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	56	Resp:	2005
Ion	Ratio	Lower	Upper
56	100		
69	8.1	25.2	37.8#
84	90.6	73.3	109.9



#34

Trichloroethene

Concen: 59.320 ug/L

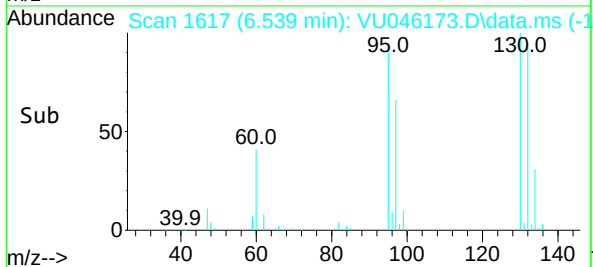
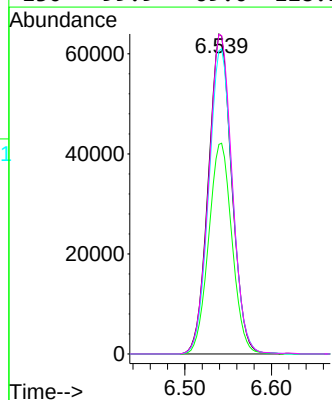
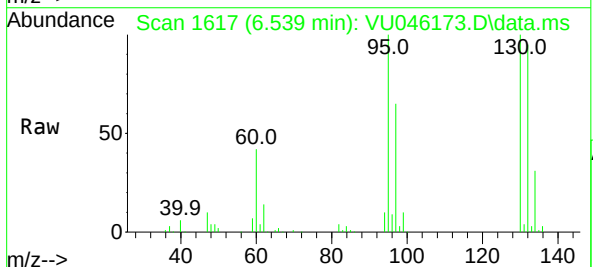
RT: 6.539 min Scan# 1617

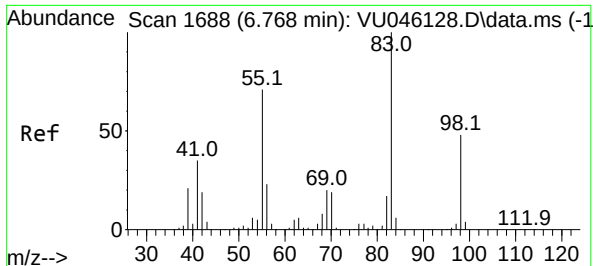
Delta R.T. -0.006 min

Lab File: VU046173.D

Acq: 08 Dec 2021 14:20

Tgt Ion:	95	Resp:	119952
Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.1	81.9
132	94.7	66.8	124.0
130	99.9	69.0	128.1





#35

Methylcyclohexane

Concen: 2.611 ug/L

RT: 6.761 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU046173.D

Acq: 08 Dec 2021 14:20

Instrument :

MSVOA_U

ClientSampleId :

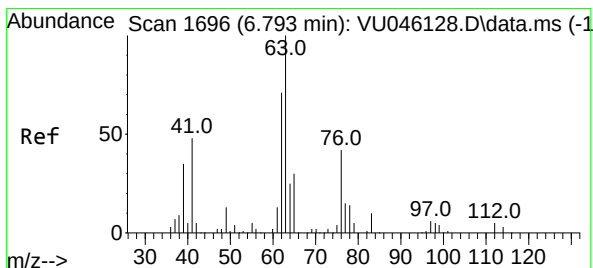
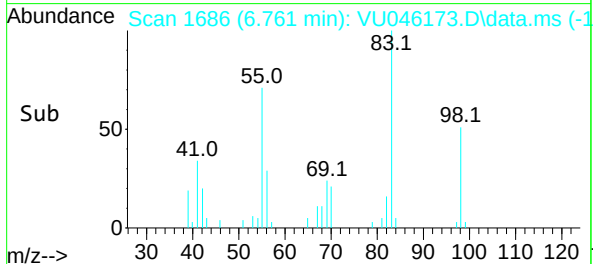
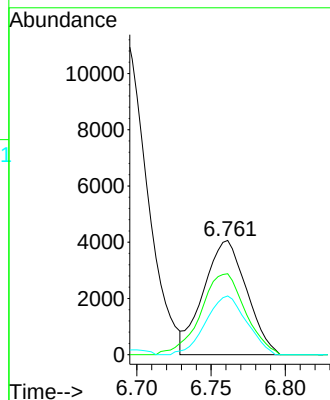
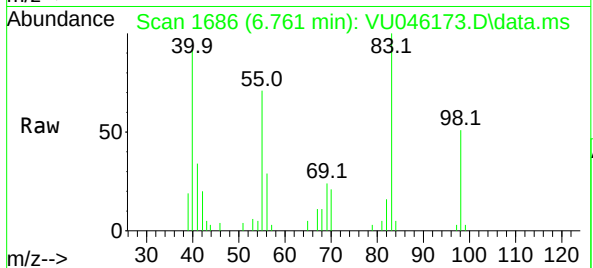
Tgt Ion: 83 Resp: 8186

Ion Ratio Lower Upper

83 100

55 73.4 57.8 86.6

98 48.7 38.4 57.6



#37

1,2-Dichloropropane

Concen: 5.095 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.103 min

Lab File: VU046173.D

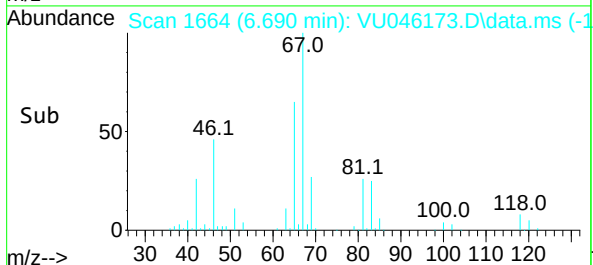
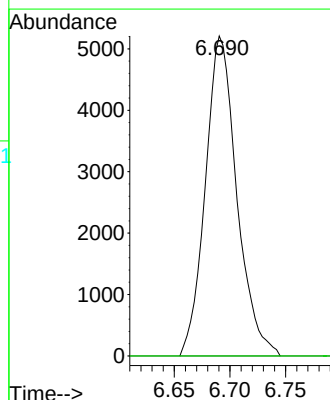
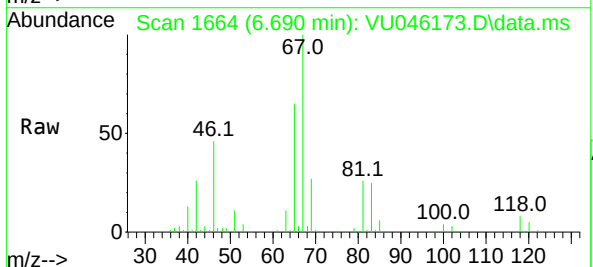
Acq: 08 Dec 2021 14:20

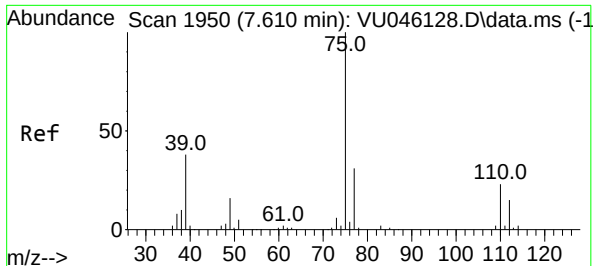
Tgt Ion: 63 Resp: 10244

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.889 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046173.D

Acq: 08 Dec 2021 14:20

Instrument :

MSVOA_U

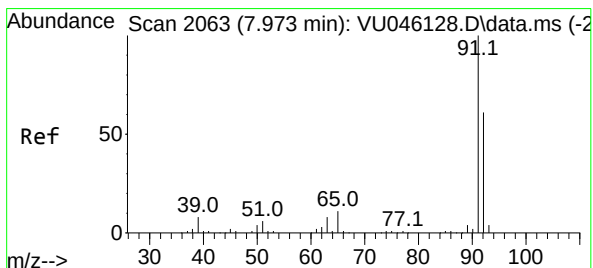
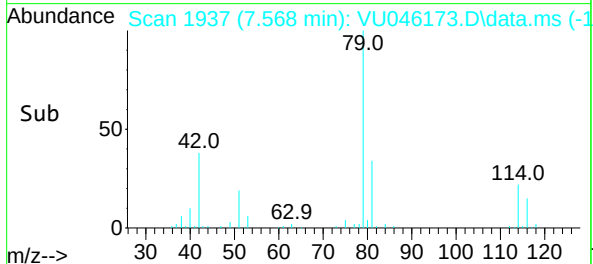
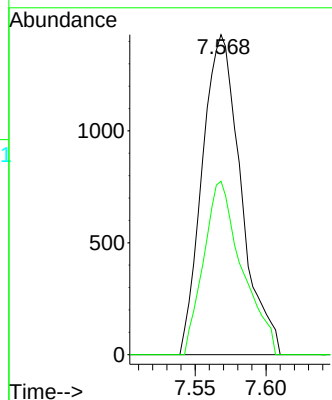
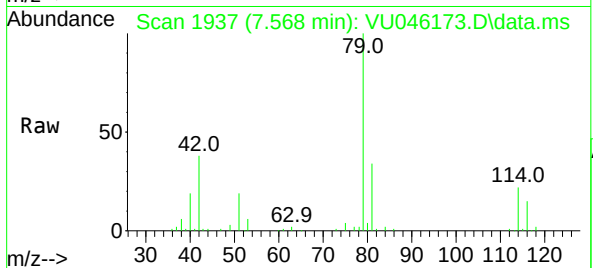
ClientSampleId :

Tgt Ion: 75 Resp: 2718

Ion Ratio Lower Upper

75 100

77 54.2 21.8 40.6#



#42

Toluene

Concen: 1.569 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU046173.D

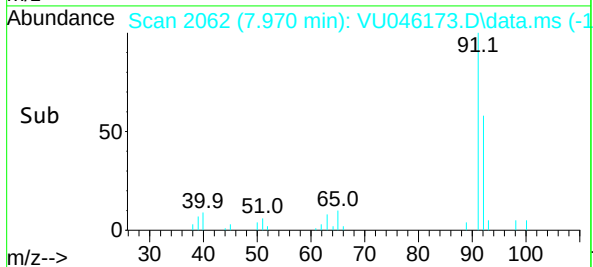
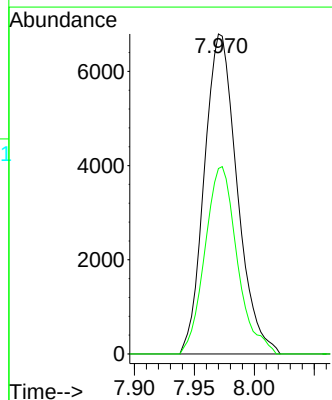
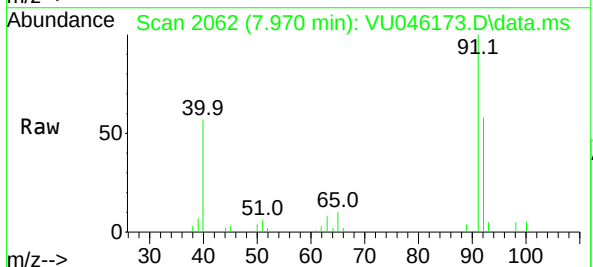
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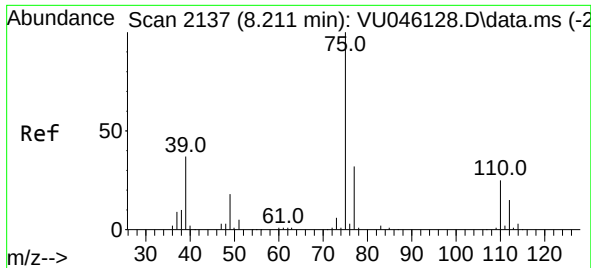
Tgt Ion: 91 Resp: 12925

Ion Ratio Lower Upper

91 100

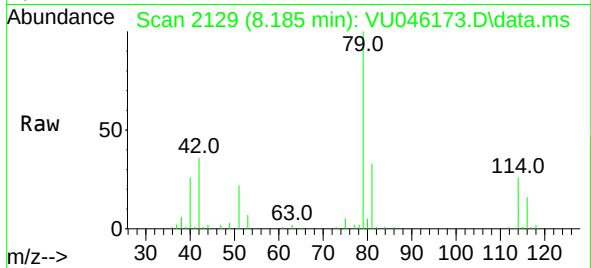
92 58.0 41.9 77.7



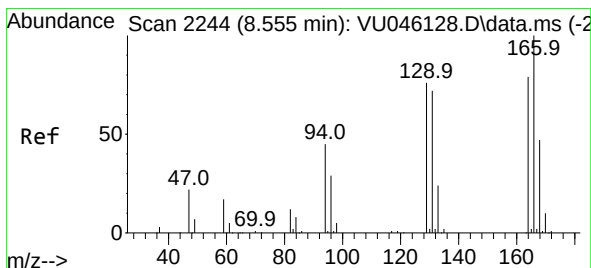
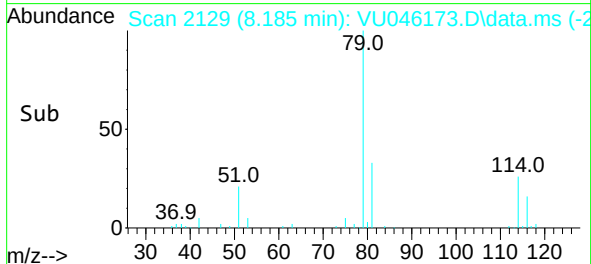
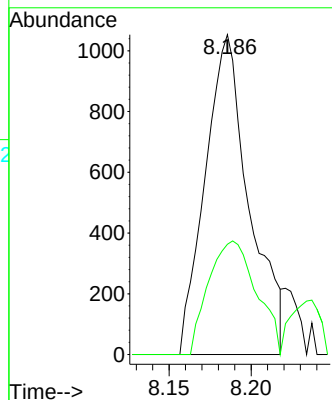


#44
trans-1,3-Dichloropropene
Concen: 0.654 ug/L
RT: 8.185 min Scan# 2137
Delta R.T. -0.029 min
Lab File: VU046173.D
Acq: 08 Dec 2021 14:20

Instrument :
MSVOA_U
ClientSampleId :

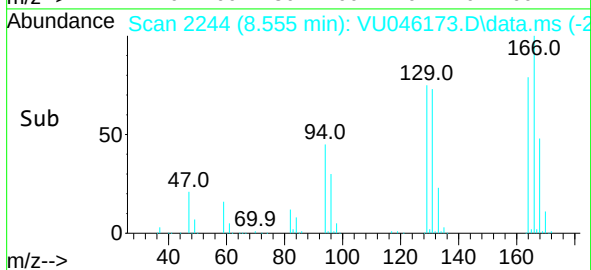
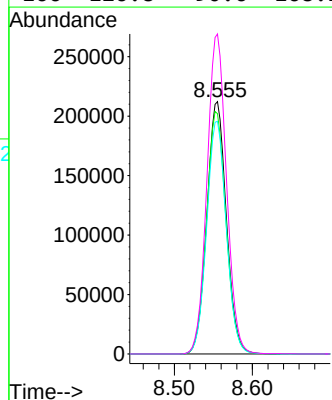
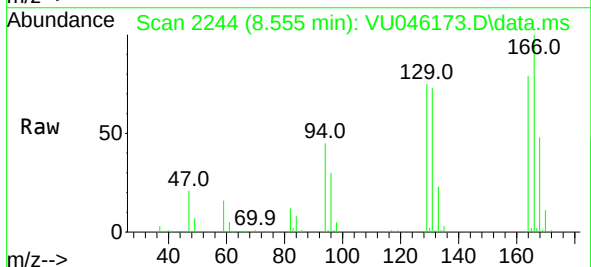


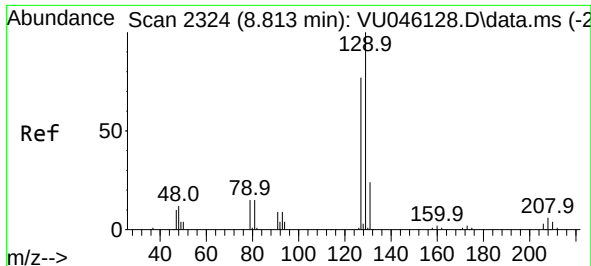
Tgt Ion: 75 Resp: 1964
Ion Ratio Lower Upper
75 100
77 34.5 21.7 40.3



#46
Tetrachloroethene
Concen: 248.744 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046173.D
Acq: 08 Dec 2021 14:20

Tgt Ion:164 Resp: 369637
Ion Ratio Lower Upper
164 100
129 95.3 71.1 132.1
131 92.2 67.8 126.0
166 126.8 90.6 168.2

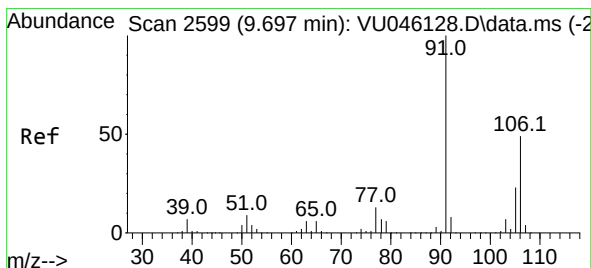
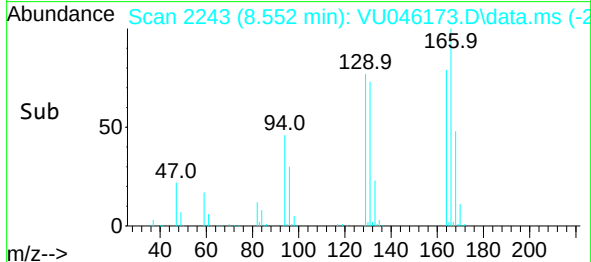
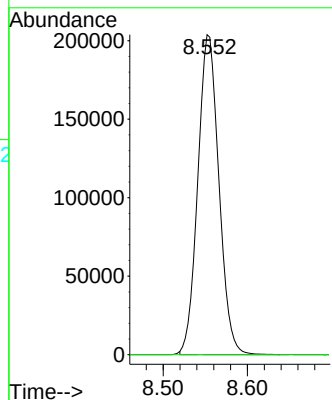
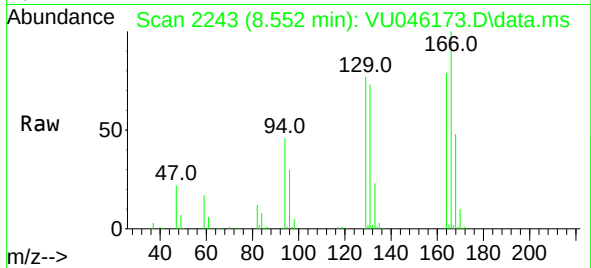




#49
Dibromochloromethane
Concen: 167.473 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.260 min
Lab File: VU046173.D
Acq: 08 Dec 2021 14:20

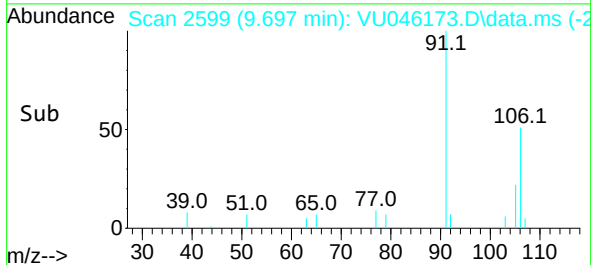
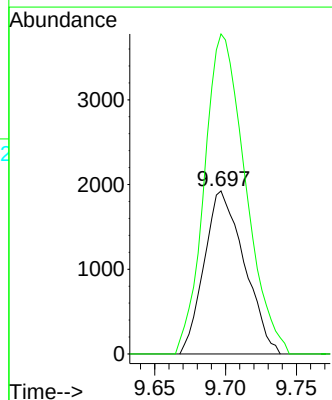
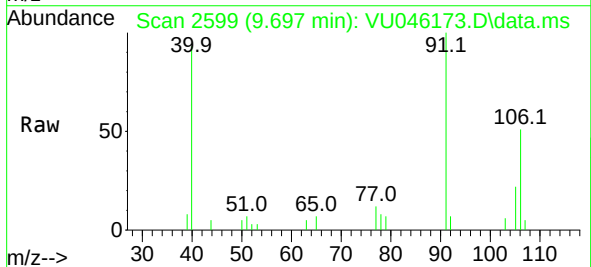
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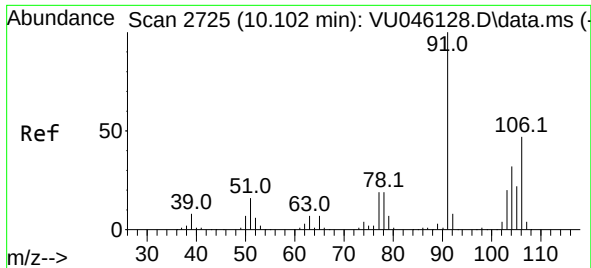
Tgt Ion:129 Resp: 354770
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#53
m,p-Xylene
Concen: 1.099 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU046173.D
Acq: 08 Dec 2021 14:20

Tgt Ion:106 Resp: 3798
Ion Ratio Lower Upper
106 100
91 196.3 144.3 268.1

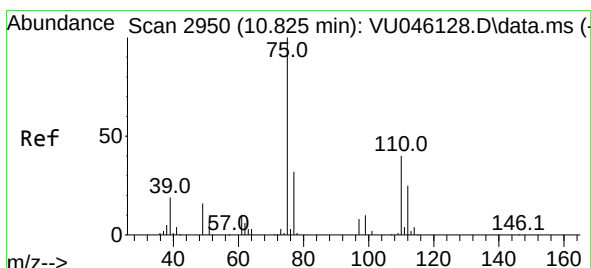
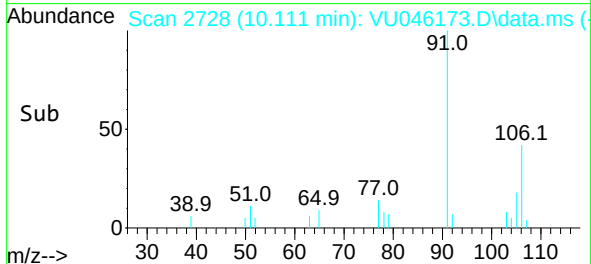
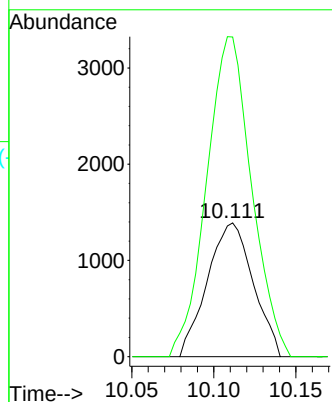
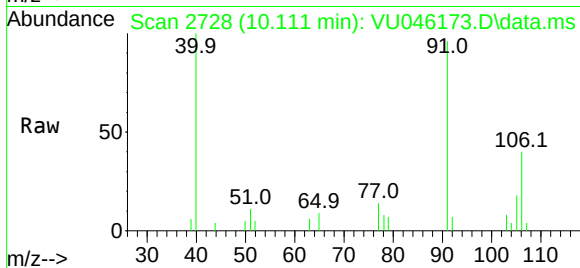




#54
o-xylene
Concen: 0.803 ug/L
RT: 10.111 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU046173.D
Acq: 08 Dec 2021 14:20

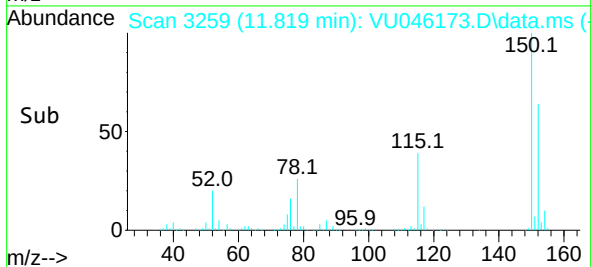
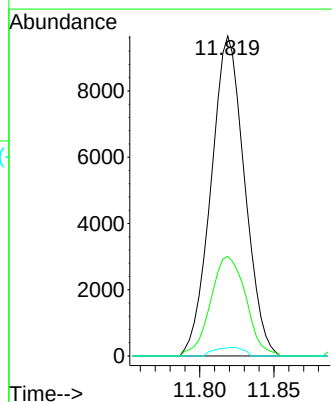
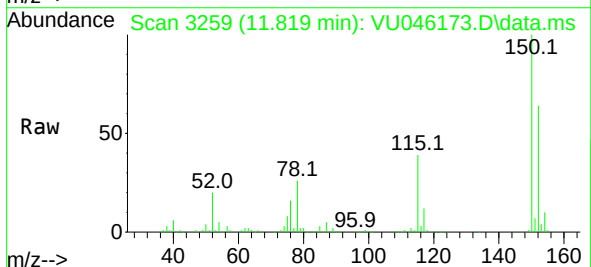
Instrument :
MSVOA_U
ClientSampleId :

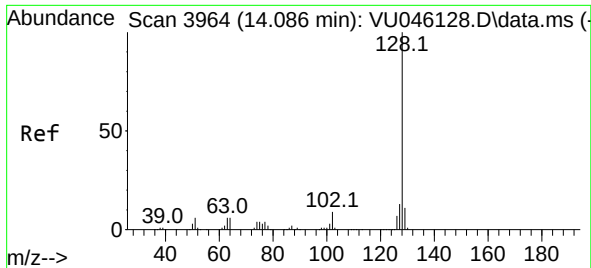
Tgt Ion:106 Resp: 2693
Ion Ratio Lower Upper
106 100
91 238.9 154.2 286.4



#60
1,2,3-Trichloropropane
Concen: 5.254 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.994 min
Lab File: VU046173.D
Acq: 08 Dec 2021 14:20

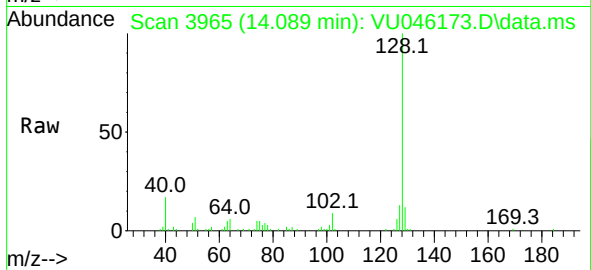
Tgt Ion: 75 Resp: 15157
Ion Ratio Lower Upper
75 100
77 32.7 26.4 39.6
110 2.3 32.4 48.6#





#71
Naphthalene
Concen: 3.404 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU046173.D
Acq: 08 Dec 2021 14:20

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	31154
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	11.5	8.6	13.0

