

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120721\
 Data File : VU046157.D
 Acq On : 07 Dec 2021 22:10
 Operator : SY/MD
 Sample : M4887-15ME
 Misc : 4.56g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 08 08:11:58 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	203885	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	202106	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	105708	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	139244	82.908	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	165.820%#
7) Chloroethane-d5	1.916	69	96555	74.877	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	149.760%#
11) 1,1-Dichloroethene-d2	2.549	63	176010	58.378	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	116.760%
21) 2-Butanone-d5	4.655	46	226599	169.722	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	169.720%#
24) Chloroform-d	5.063	84	235128	83.834	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	167.660%#
26) 1,2-Dichloroethane-d4	5.703	65	168397	89.466	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	178.940%#
32) Benzene-d6	5.726	84	550332	95.004	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	190.000%#
36) 1,2-Dichloropropane-d6	6.690	67	169603	94.472	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	188.940%#
41) Toluene-d8	7.899	98	514469	97.544	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	195.080%#
43) trans-1,3-Dichloroprop...	8.182	79	87004	100.393	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	200.780%#
47) 2-Hexanone-d5	8.677	63	176119	206.907	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	206.910%#
56) 1,1,2,2-Tetrachloroeth...	10.771	84	247294	90.831	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	181.660%#
66) 1,2-Dichlorobenzene-d4	12.198	152	204182	100.298	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	200.600%#

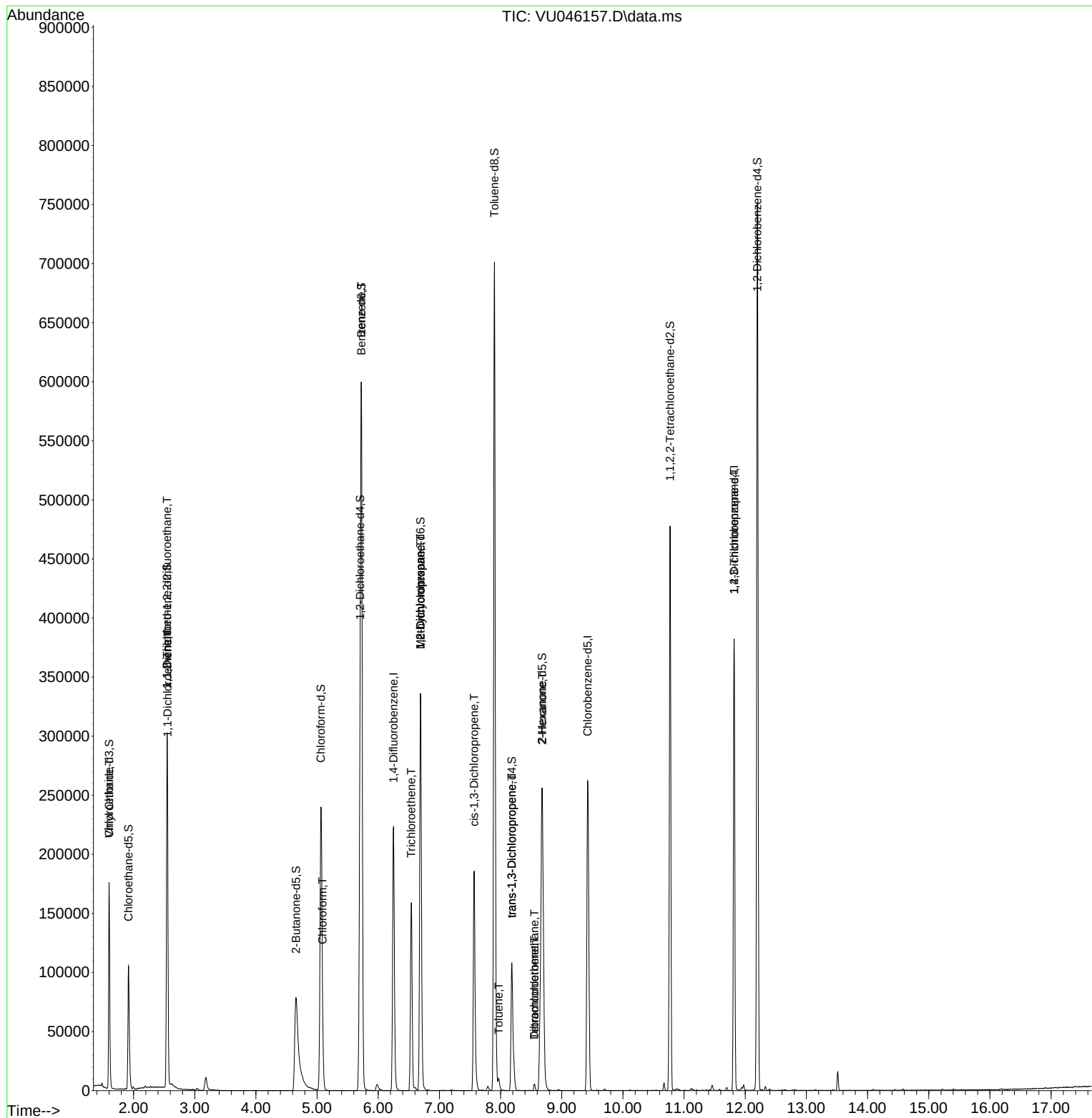
Target Compounds					Qvalue
8) Chloroethane	1.601	64	1840	1.589	ug/L # 1
10) 1,1,2-Trichloro-1,2,2-...	2.549	101	1691	1.140	ug/L # 21
12) 1,1-Dichloroethene	2.556	96	1340	0.951	ug/L # 1
25) Chloroform	5.089	83	22174	7.357	ug/L 97
33) Benzene	5.723	78	4375	0.715	ug/L 100
34) Trichloroethene	6.539	95	54202	33.635	ug/L 98
35) Methylcyclohexane	6.690	83	41940	16.785	ug/L # 20
37) 1,2-Dichloropropane	6.690	63	18244	11.386	ug/L # 86
39) cis-1,3-Dichloropropene	7.568	75	5193	2.130	ug/L # 55
42) Toluene	7.970	91	8005	1.220	ug/L 94
44) trans-1,3-Dichloropropene	8.182	75	3583	1.497	ug/L 94
46) Tetrachloroethene	8.552	164	1448	1.223	ug/L 92
48) 2-Hexanone	8.681	43	21639	10.277	ug/L # 63
49) Dibromochloromethane	8.552	129	1402	0.830	ug/L # 10
60) 1,2,3-Trichloropropane	11.819	75	11592	5.003	ug/L # 66

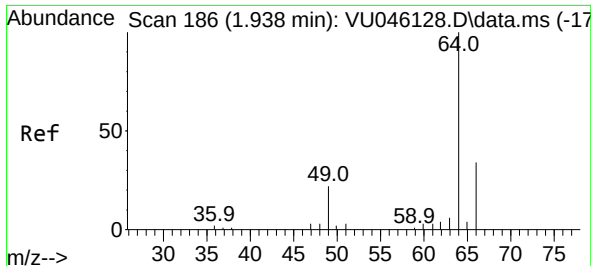
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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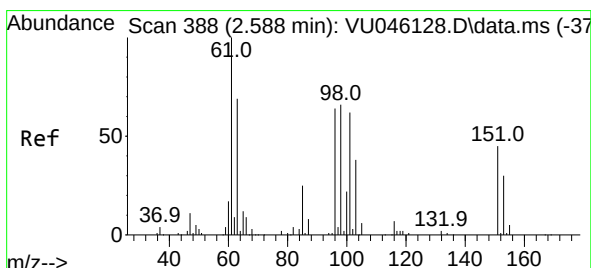
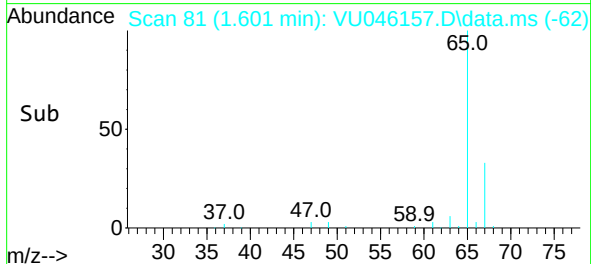
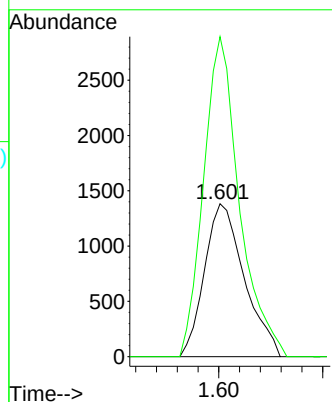
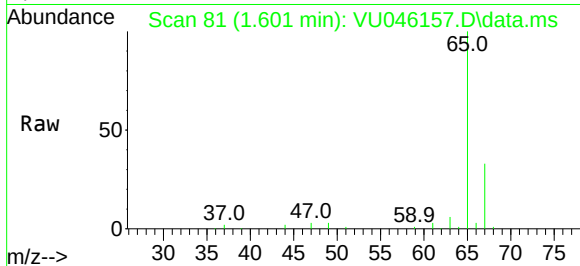




#8
Chloroethane
Concen: 1.589 ug/L
RT: 1.601 min Scan# 81
Delta R.T. -0.338 min
Lab File: VU046157.D
Acq: 07 Dec 2021 22:10

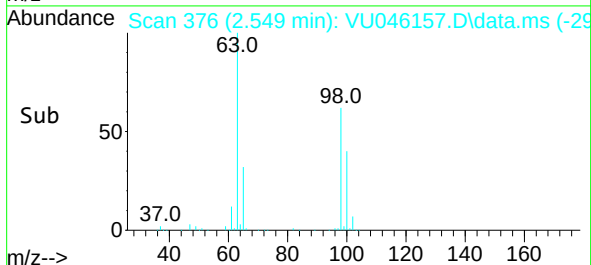
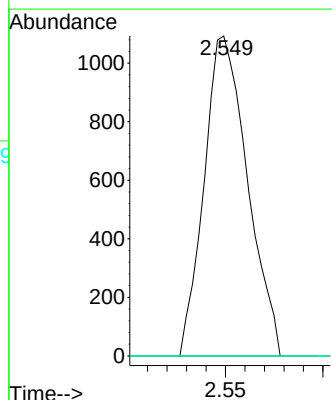
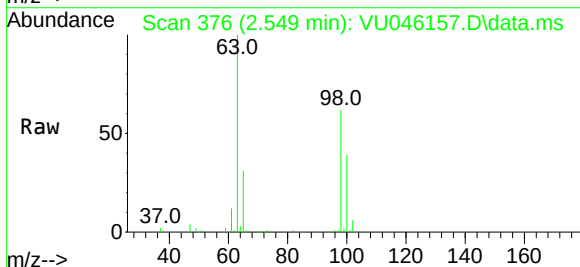
Instrument :
MSVOA_U
ClientSampleId :

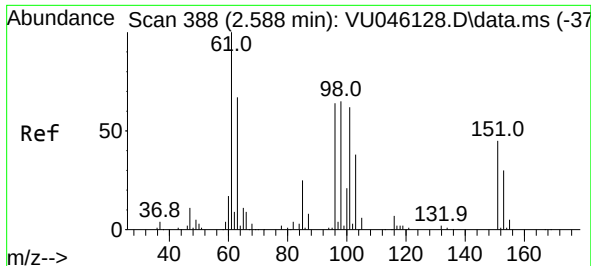
Tgt Ion: 64 Resp: 1840
Ion Ratio Lower Upper
64 100
66 209.3 22.5 41.9#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.140 ug/L
RT: 2.549 min Scan# 376
Delta R.T. -0.039 min
Lab File: VU046157.D
Acq: 07 Dec 2021 22:10

Tgt Ion:101 Resp: 1691
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: 0.951 ug/L

RT: 2.556 min Scan# 31

Delta R.T. -0.029 min

Lab File: VU046157.D

Acq: 07 Dec 2021 22:10

Instrument :

MSVOA_U

ClientSampleId :

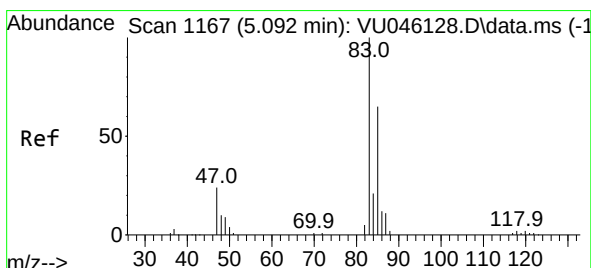
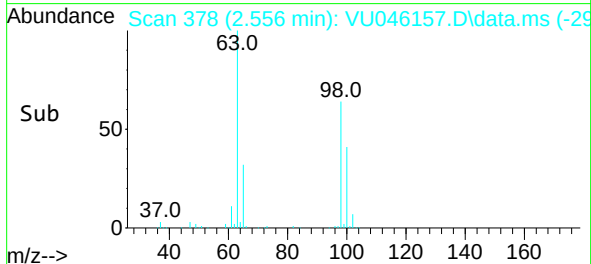
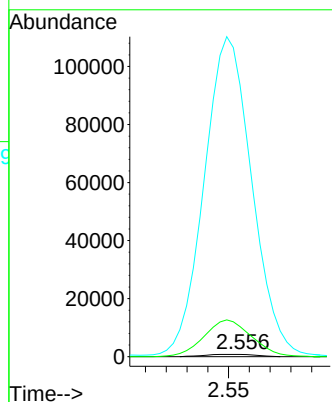
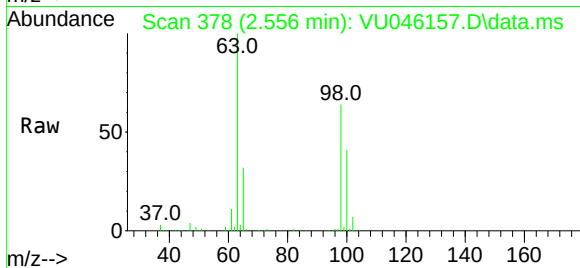
Tgt Ion: 96 Resp: 1340

Ion Ratio Lower Upper

96 100

61 1329.4 118.6 220.2#

63 12019.5 93.0 172.8#



#25

Chloroform

Concen: 7.357 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU046157.D

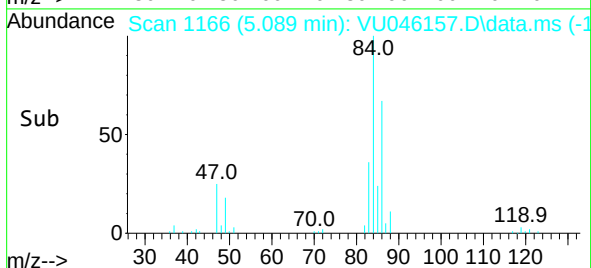
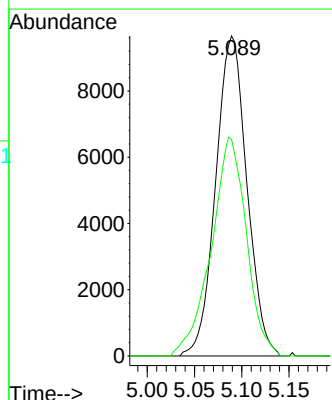
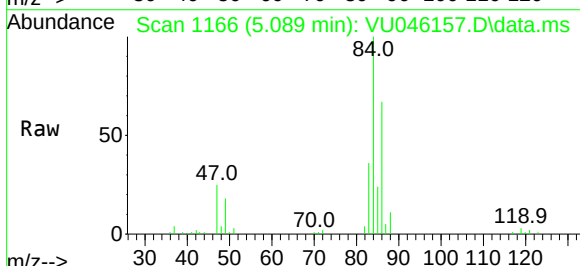
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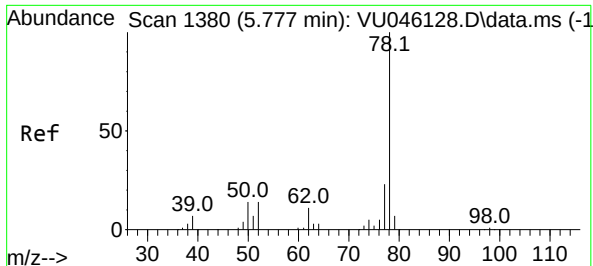
Tgt Ion: 83 Resp: 22174

Ion Ratio Lower Upper

83 100

85 67.6 45.8 85.2

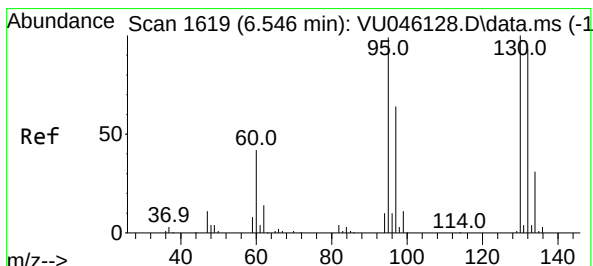
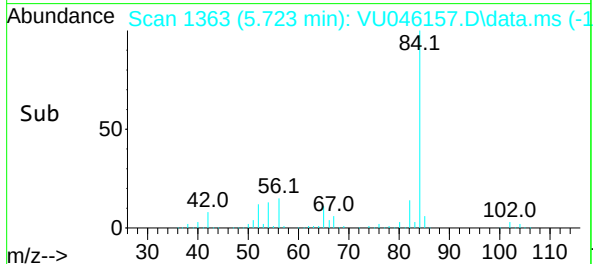
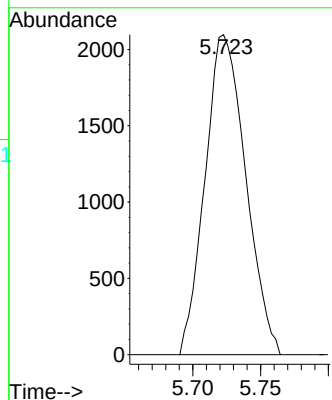
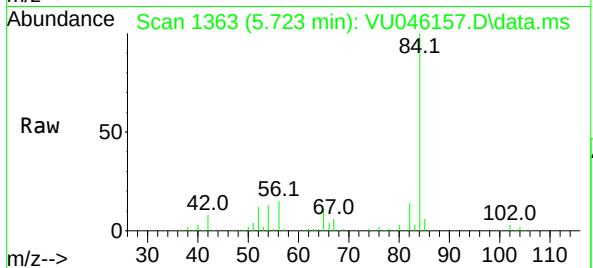




#33
Benzene
Concen: 0.715 ug/L
RT: 5.723 min Scan# 11
Delta R.T. -0.058 min
Lab File: VU046157.D
Acq: 07 Dec 2021 22:10

Instrument :
MSVOA_U
ClientSampleId :

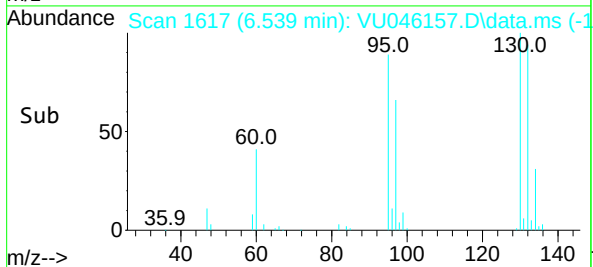
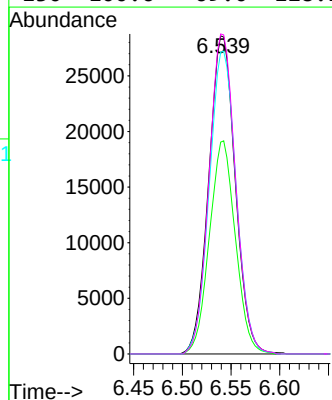
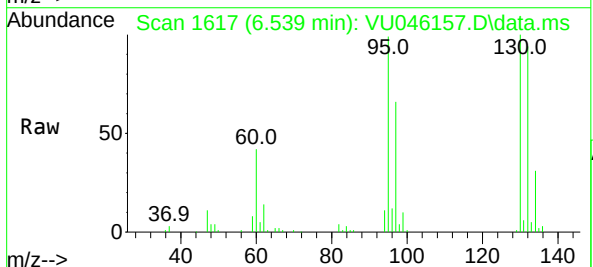
Tgt Ion: 78 Resp: 4375

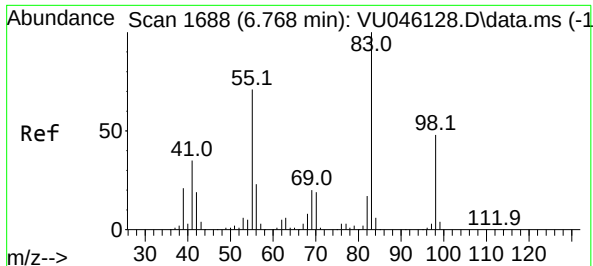


#34
Trichloroethene
Concen: 33.635 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.006 min
Lab File: VU046157.D
Acq: 07 Dec 2021 22:10

Tgt Ion: 95 Resp: 54202

Ion	Ratio	Lower	Upper
95	100		
97	66.6	44.1	81.9
132	94.9	66.8	124.0
130	100.6	69.0	128.1

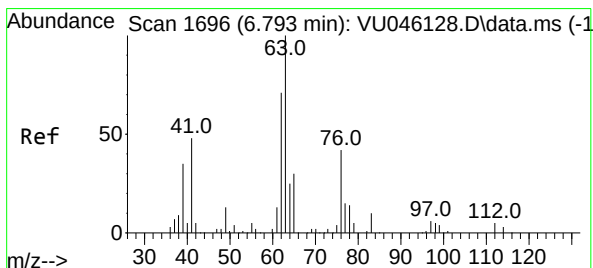
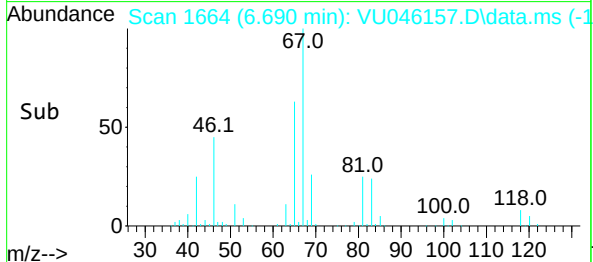
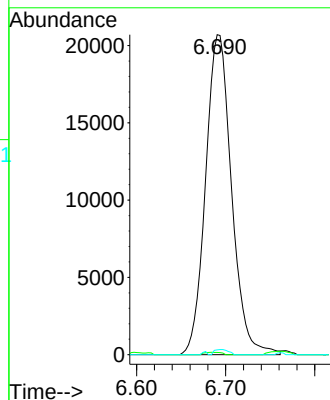
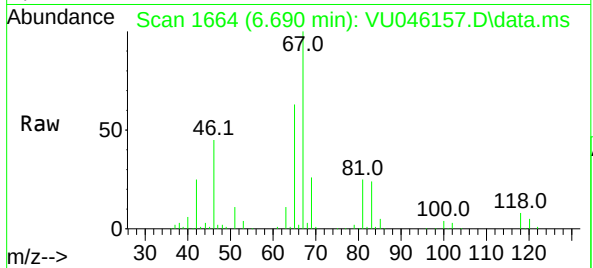




#35
Methylcyclohexane
Concen: 16.785 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046157.D
Acq: 07 Dec 2021 22:10

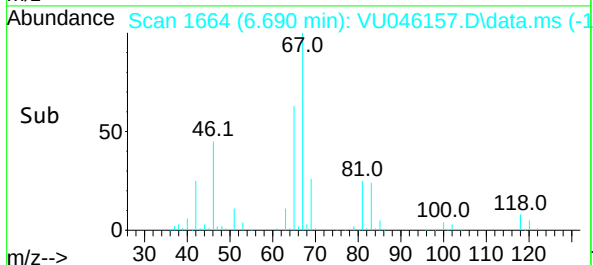
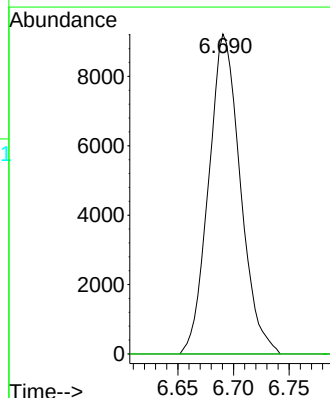
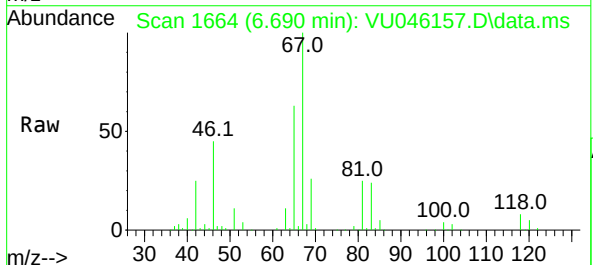
Instrument :
MSVOA_U
ClientSampleId :

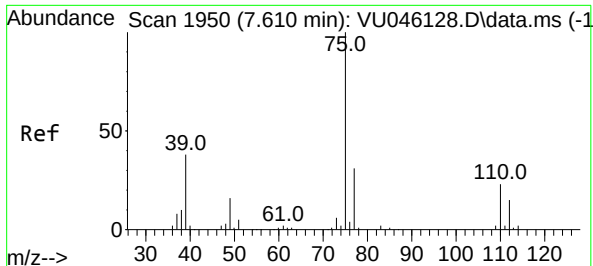
Tgt Ion: 83 Resp: 41940
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.9 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 11.386 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU046157.D
Acq: 07 Dec 2021 22:10

Tgt Ion: 63 Resp: 18244
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 2.130 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046157.D

Acq: 07 Dec 2021 22:10

Instrument :

MSVOA_U

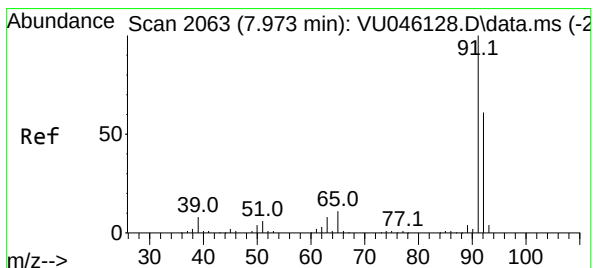
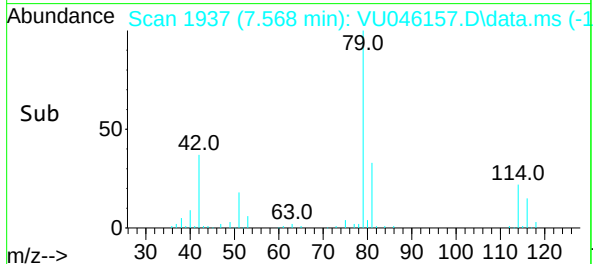
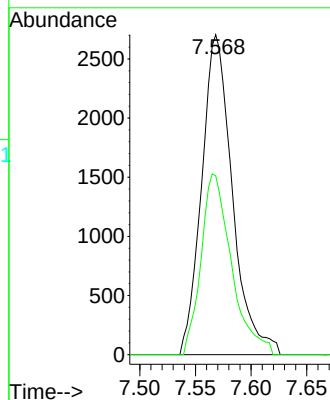
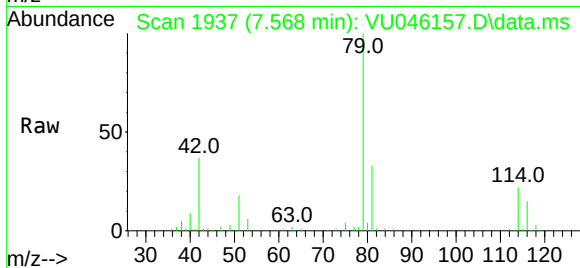
ClientSampleId :

Tgt Ion: 75 Resp: 5193

Ion Ratio Lower Upper

75 100

77 55.9 21.8 40.6#



#42

Toluene

Concen: 1.220 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU046157.D

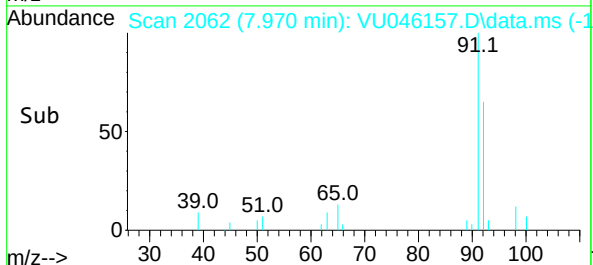
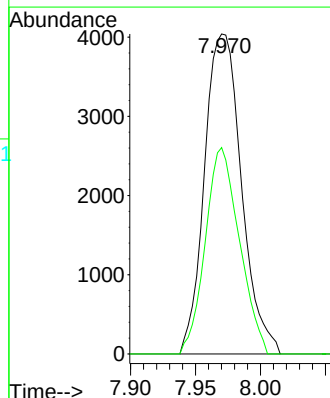
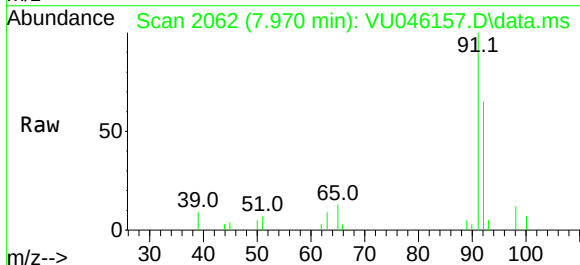
Acq: 07 Dec 2021 22:10

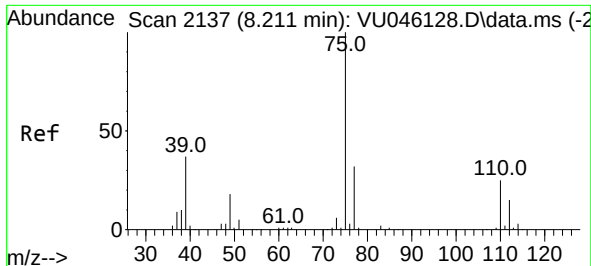
Tgt Ion: 91 Resp: 8005

Ion Ratio Lower Upper

91 100

92 64.5 41.9 77.7

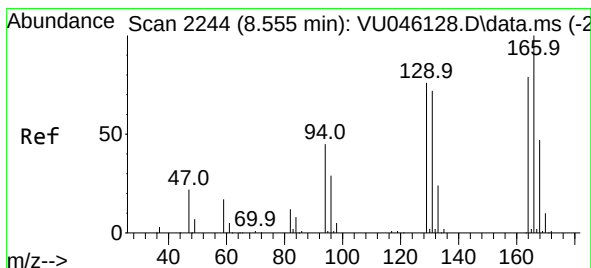
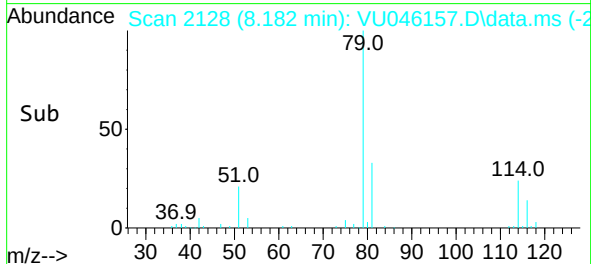
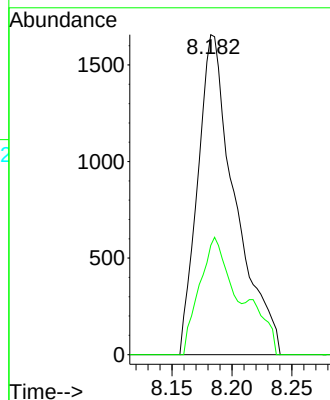
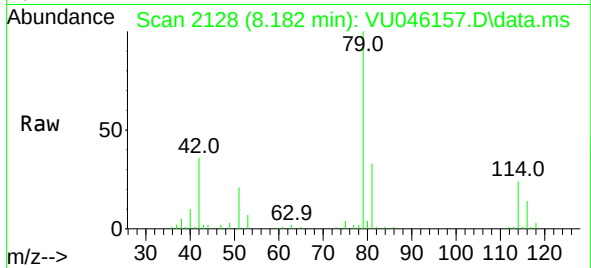




#44
trans-1,3-Dichloropropene
Concen: 1.497 ug/L
RT: 8.182 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU046157.D
Acq: 07 Dec 2021 22:10

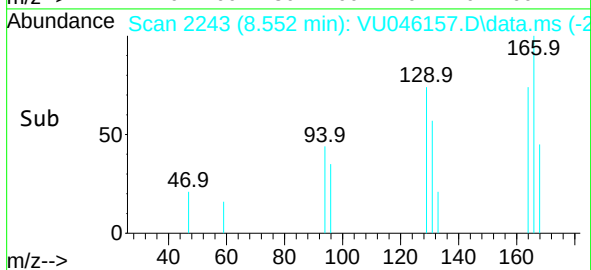
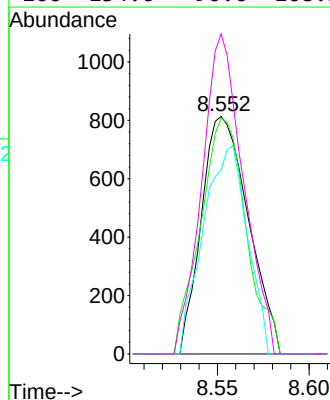
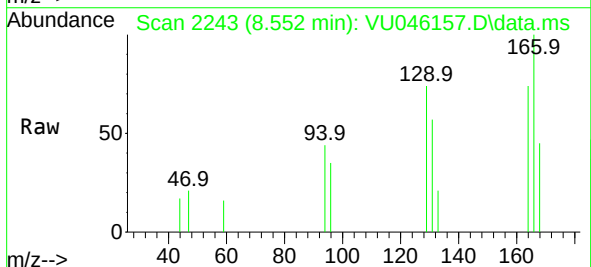
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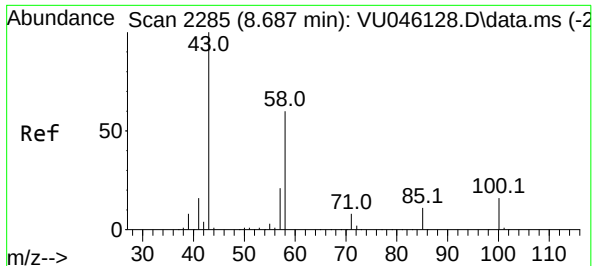
Tgt Ion: 75 Resp: 3583
Ion Ratio Lower Upper
75 100
77 34.2 21.7 40.3



#46
Tetrachloroethene
Concen: 1.223 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU046157.D
Acq: 07 Dec 2021 22:10

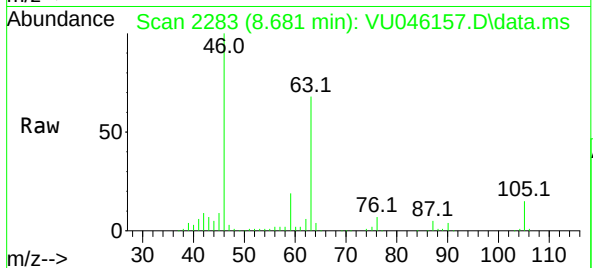
Tgt Ion: 164 Resp: 1448
Ion Ratio Lower Upper
164 100
129 99.3 71.1 132.1
131 77.4 67.8 126.0
166 134.6 90.6 168.2



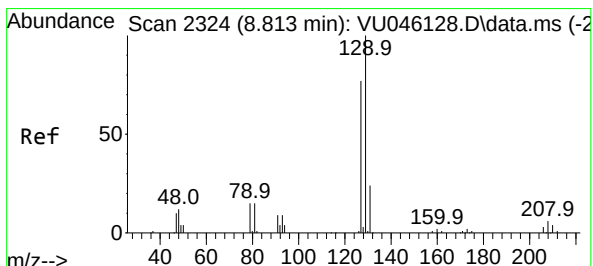
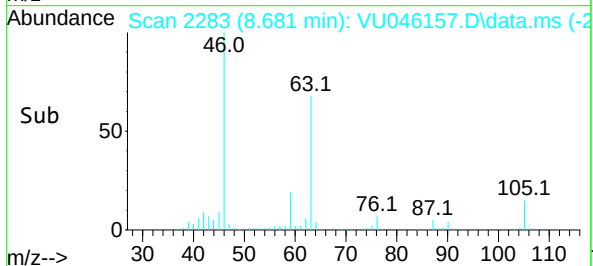
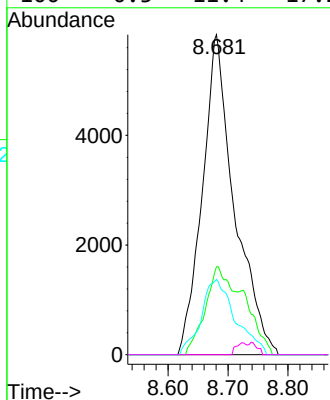


#48
2-Hexanone
Concen: 10.277 ug/L
RT: 8.681 min Scan# 21639
Delta R.T. -0.006 min
Lab File: VU046157.D
Acq: 07 Dec 2021 22:10

Instrument :
MSVOA_U
ClientSampleId :

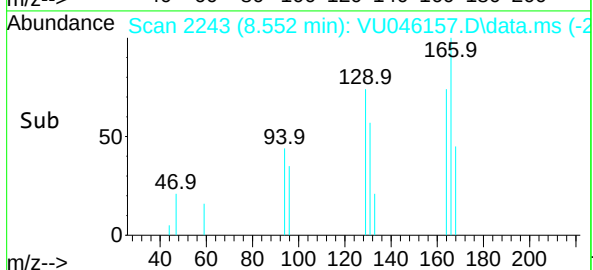
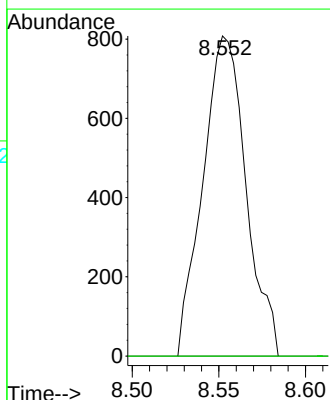
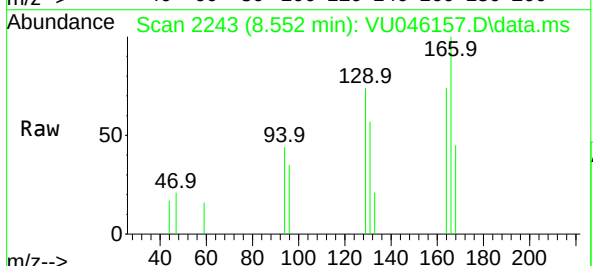


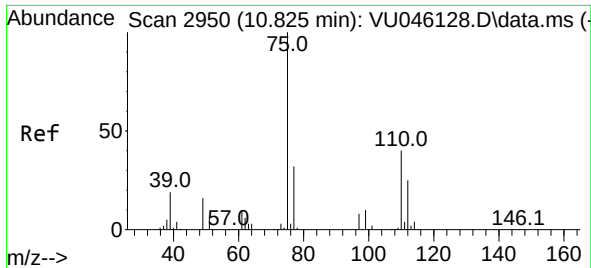
Tgt Ion: 43	Resp: 21639
Ion Ratio	Lower Upper
43 100	
58 23.5	47.4 71.2#
57 25.2	16.6 25.0#
100 0.3	11.4 17.2#



#49
Dibromochloromethane
Concen: 0.830 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.260 min
Lab File: VU046157.D
Acq: 07 Dec 2021 22:10

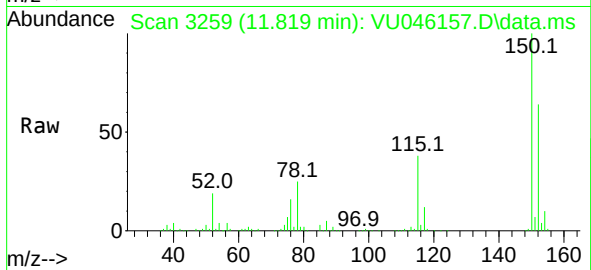
Tgt Ion:129	Resp:	1402	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.6	103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.003 ug/L
 RT: 11.819 min Scan# 31
 Delta R.T. 0.994 min
 Lab File: VU046157.D
 Acq: 07 Dec 2021 22:10

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 11592
 Ion Ratio Lower Upper
 75 100
 77 33.5 26.4 39.6
 110 2.9 32.4 48.6#

