

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120721\
 Data File : VU046152.D
 Acq On : 07 Dec 2021 20:19
 Operator : SY/MD
 Sample : M4887-06ME
 Misc : 5.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 08 04:55:04 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)

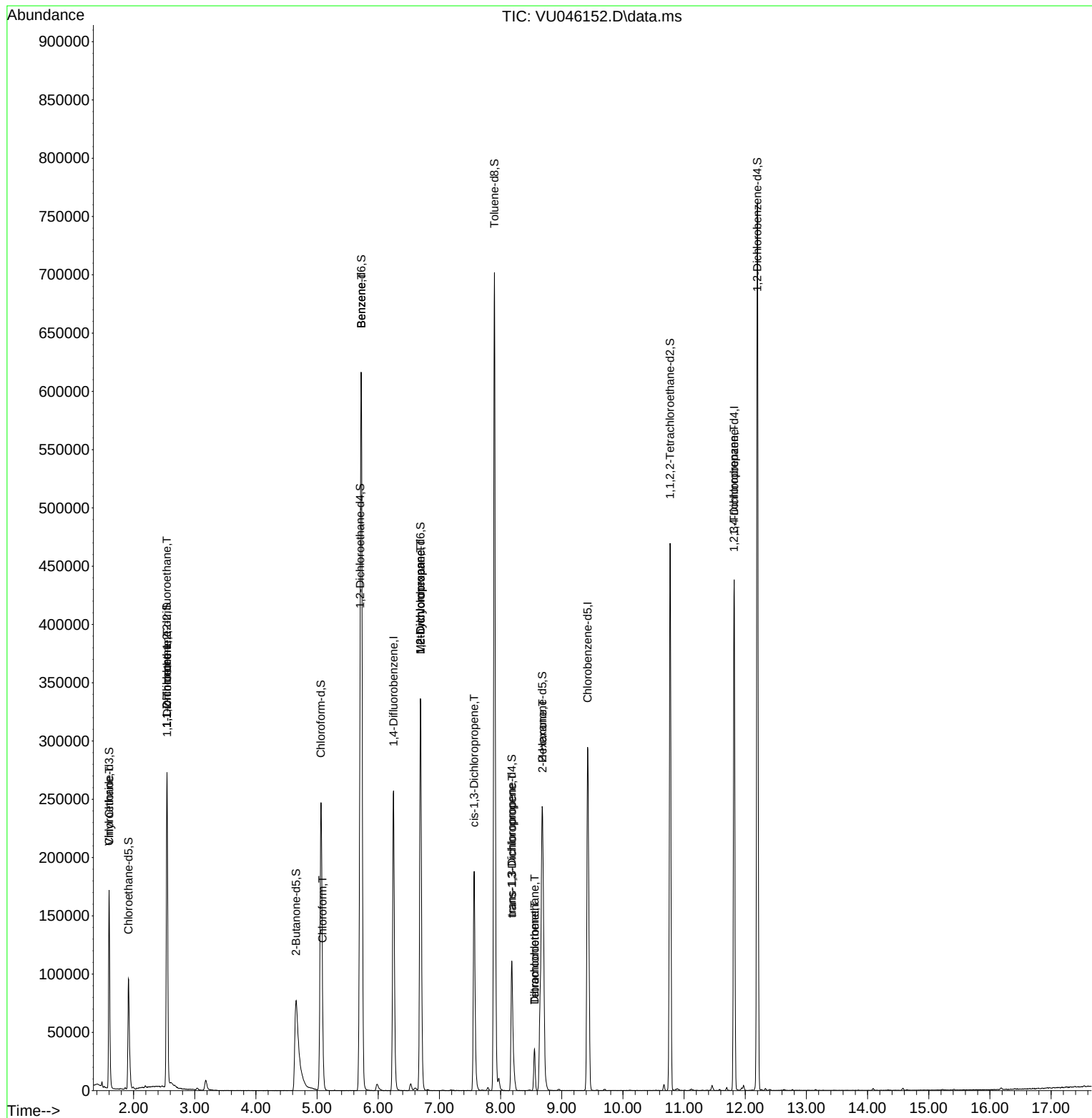
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	236520	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	231338	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	119120	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	143227	73.513	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	147.020%#	
7) Chloroethane-d5	1.916	69	95371	63.754	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	127.500%	
11) 1,1-Dichloroethene-d2	2.546	63	160567	45.908	ug/L	-0.03
Spiked Amount 50.000	Range 60	- 125	Recovery	=	91.820%	
21) 2-Butanone-d5	4.658	46	235041	151.754	ug/L	0.02
Spiked Amount 100.000	Range 40	- 130	Recovery	=	151.750%#	
24) Chloroform-d	5.063	84	248503	76.378	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	152.760%#	
26) 1,2-Dichloroethane-d4	5.703	65	171345	78.471	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	156.940%#	
32) Benzene-d6	5.723	84	560055	84.466	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	168.940%#	
36) 1,2-Dichloropropane-d6	6.690	67	171695	83.553	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	167.100%#	
41) Toluene-d8	7.899	98	517376	85.700	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	171.400%#	
43) trans-1,3-Dichloroprop...	8.182	79	88236	88.949	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	177.900%#	
47) 2-Hexanone-d5	8.681	63	178652	183.362	ug/L	0.04
Spiked Amount 100.000	Range 45	- 130	Recovery	=	183.360%#	
56) 1,1,2,2-Tetrachloroeth...	10.771	84	246715	79.167	ug/L	0.01
Spiked Amount 50.000	Range 65	- 120	Recovery	=	158.340%#	
66) 1,2-Dichlorobenzene-d4	12.198	152	205207	89.452	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	178.900%#	
Target Compounds						Qvalue
8) Chloroethane	1.600	64	1760	1.310	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.546	101	1517	0.881	ug/L #	21
12) 1,1-Dichloroethene	2.549	96	1239	0.758	ug/L #	1
25) Chloroform	5.089	83	13551	3.876	ug/L	89
33) Benzene	5.723	78	4449	0.635	ug/L	100
35) Methylcyclohexane	6.690	83	41956	14.670	ug/L #	21
37) 1,2-Dichloropropane	6.690	63	17821	9.716	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	5208	1.866	ug/L #	59
44) trans-1,3-Dichloropropene	8.185	75	3823	1.395	ug/L	89
46) Tetrachloroethene	8.555	164	8592	6.339	ug/L	91
48) 2-Hexanone	8.687	43	22082	9.163	ug/L #	56
49) Dibromochloromethane	8.555	129	8194	4.240	ug/L #	10
60) 1,2,3-Trichloropropane	11.816	75	13716	5.253	ug/L #	66

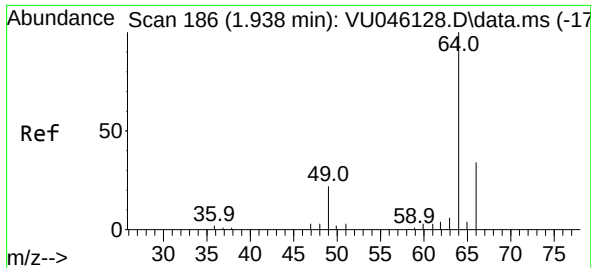
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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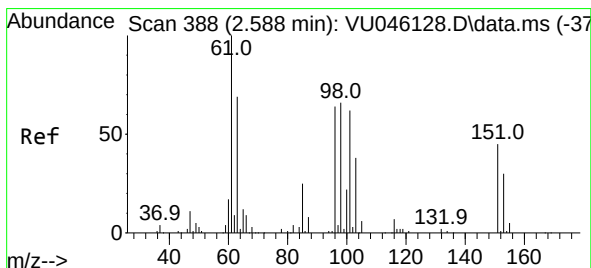
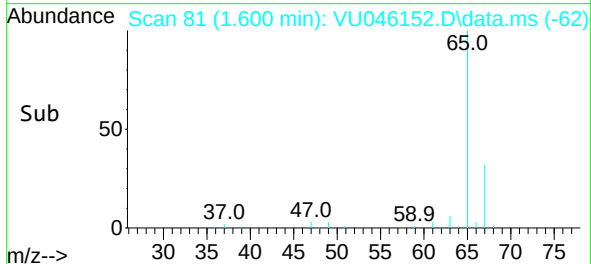
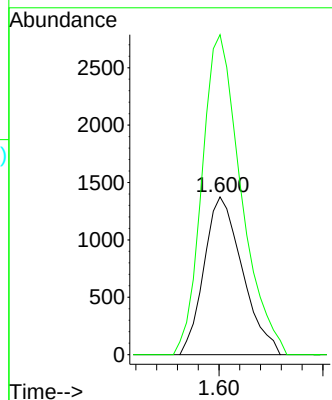
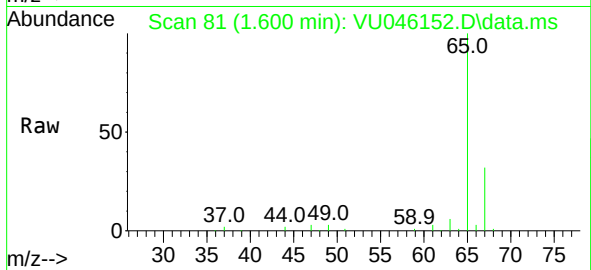




#8
Chloroethane
Concen: 1.310 ug/L
RT: 1.600 min Scan# 81
Delta R.T. -0.338 min
Lab File: VU046152.D
Acq: 07 Dec 2021 20:19

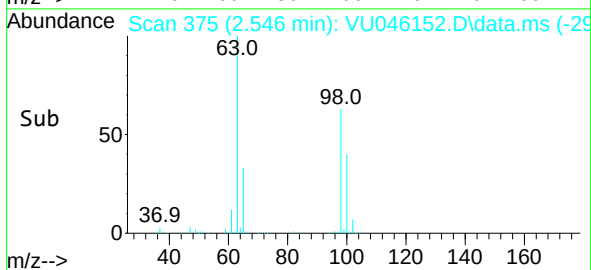
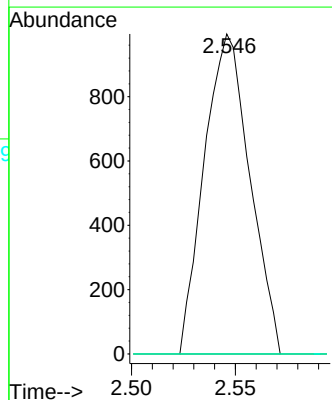
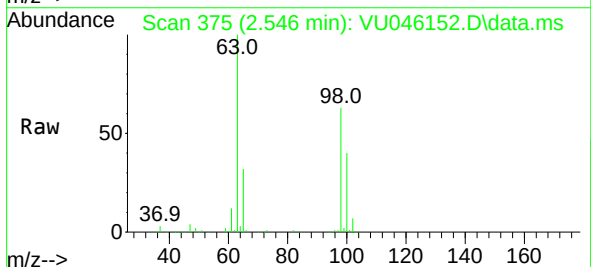
Instrument :
MSVOA_U
ClientSampleId :

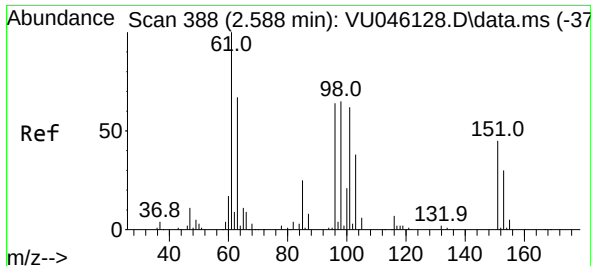
Tgt Ion: 64 Resp: 1760
Ion Ratio Lower Upper
64 100
66 202.8 22.5 41.9#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.881 ug/L
RT: 2.546 min Scan# 375
Delta R.T. -0.042 min
Lab File: VU046152.D
Acq: 07 Dec 2021 20:19

Tgt Ion:101 Resp: 1517
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: 0.758 ug/L

RT: 2.549 min Scan# 31

Delta R.T. -0.035 min

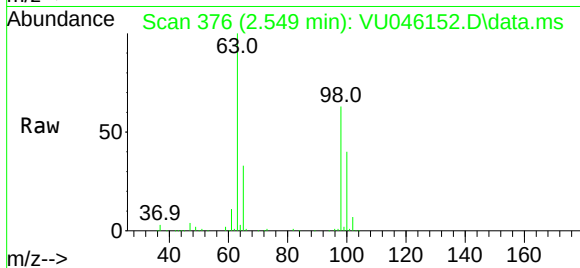
Lab File: VU046152.D

Acq: 07 Dec 2021 20:19

Instrument :

MSVOA_U

ClientSampleId :



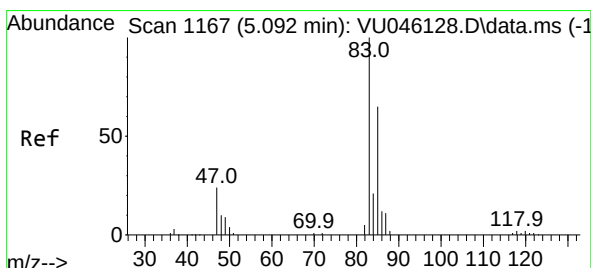
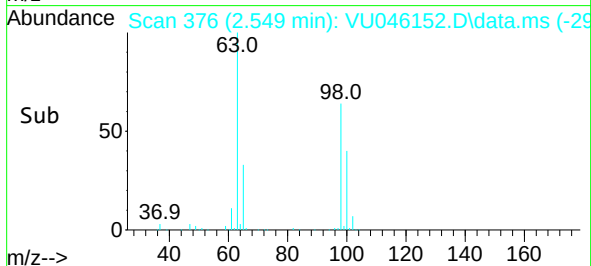
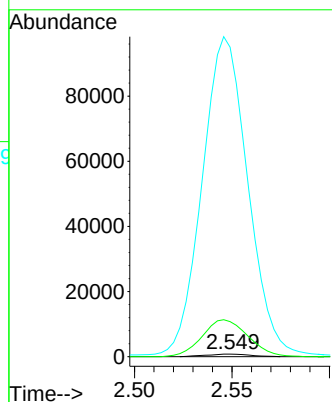
Tgt Ion: 96 Resp: 1239

Ion Ratio Lower Upper

96 100

61 1387.6 118.6 220.2#

63 12227.5 93.0 172.8#



#25

Chloroform

Concen: 3.876 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU046152.D

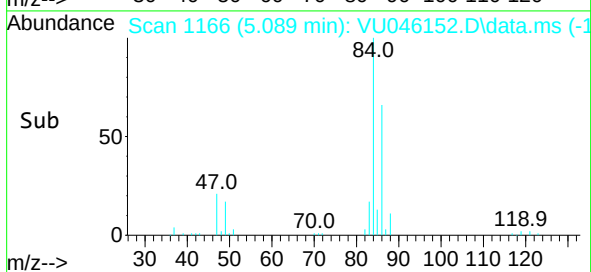
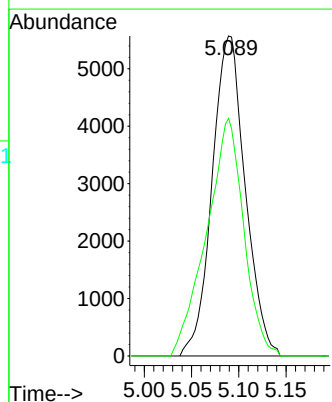
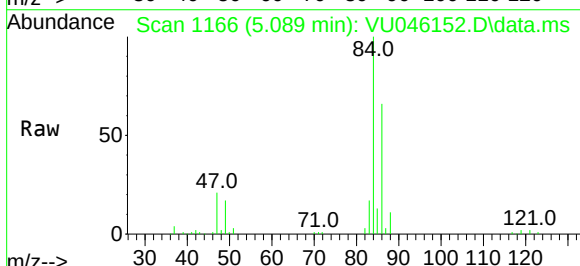
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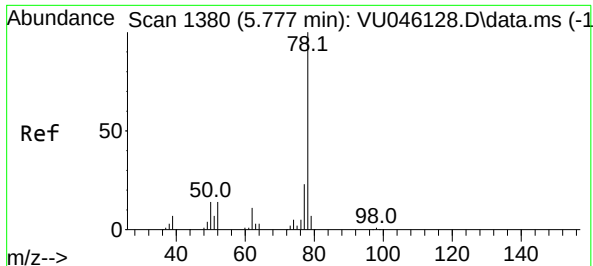
Tgt Ion: 83 Resp: 13551

Ion Ratio Lower Upper

83 100

85 74.3 45.8 85.2

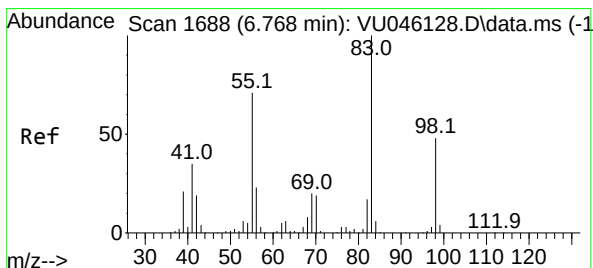
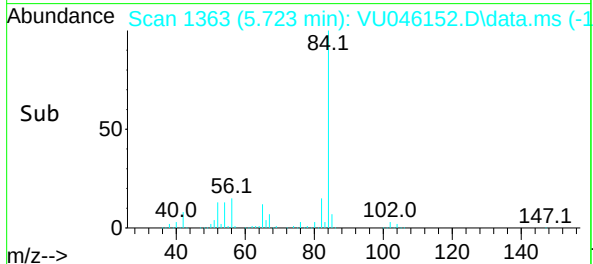
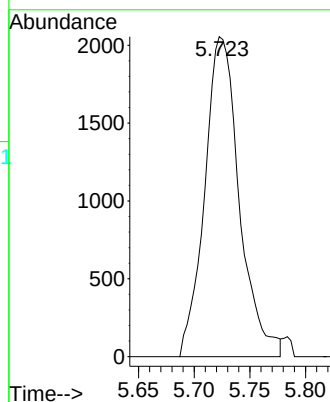
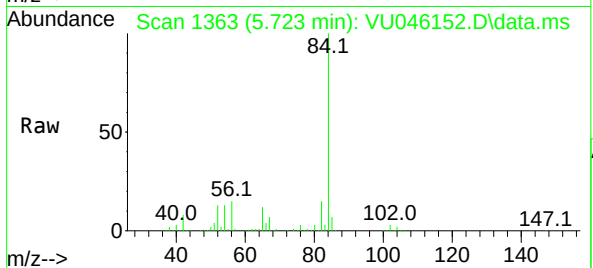




#33
Benzene
Concen: 0.635 ug/L
RT: 5.723 min Scan# 11
Delta R.T. -0.058 min
Lab File: VU046152.D
Acq: 07 Dec 2021 20:19

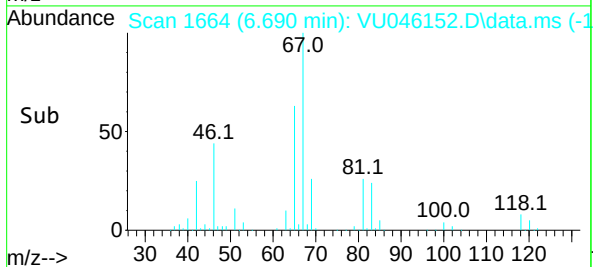
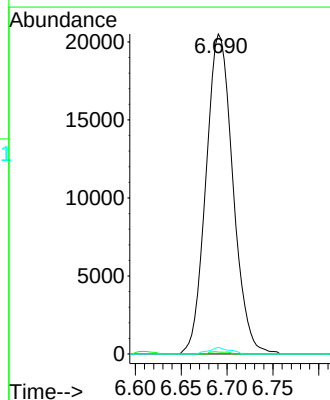
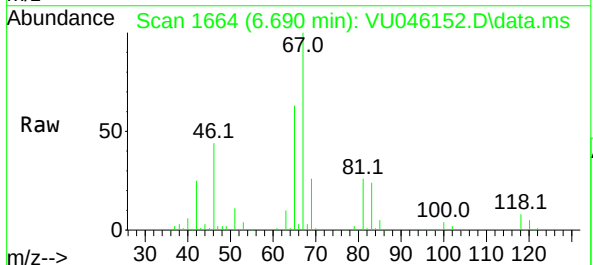
Instrument :
MSVOA_U
ClientSampleId :

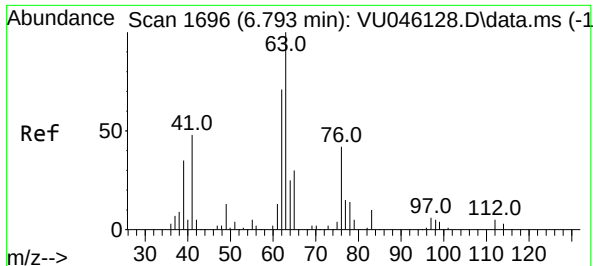
Tgt Ion: 78 Resp: 4449



#35
Methylcyclohexane
Concen: 14.670 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046152.D
Acq: 07 Dec 2021 20:19

Tgt Ion: 83 Resp: 41956
Ion Ratio Lower Upper
83 100
55 0.3 57.8 86.6#
98 1.5 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 9.716 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046152.D

Acq: 07 Dec 2021 20:19

Instrument :

MSVOA_U

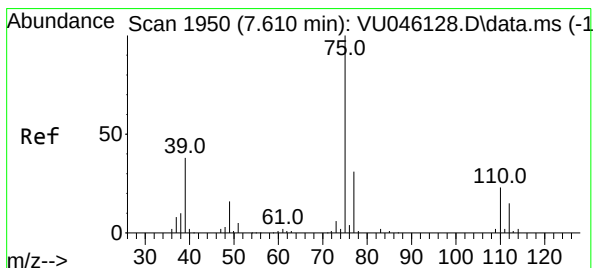
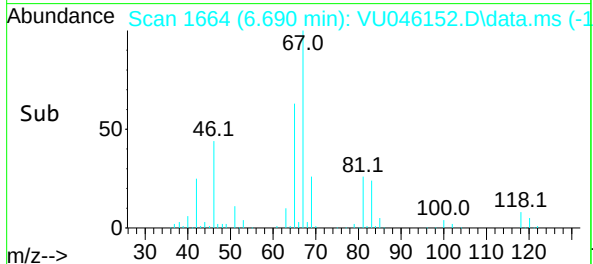
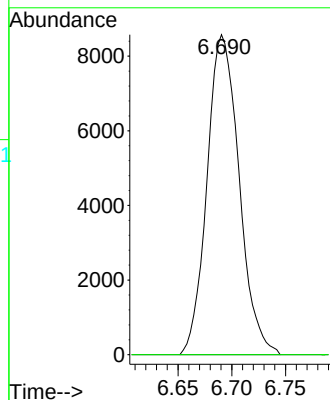
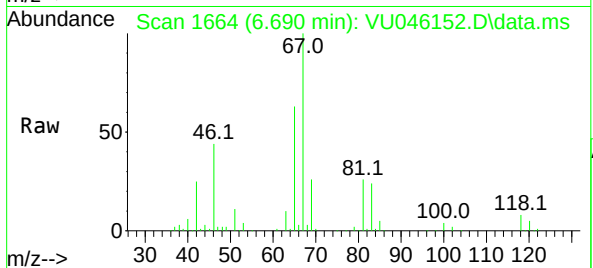
ClientSampleId :

Tgt Ion: 63 Resp: 17821

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.866 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046152.D

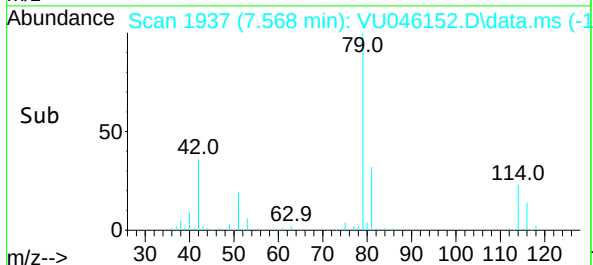
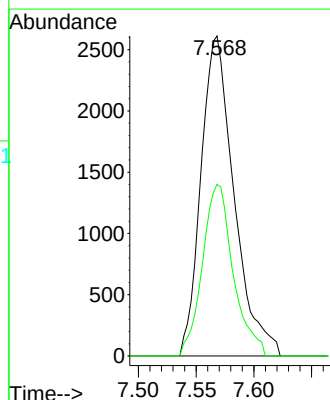
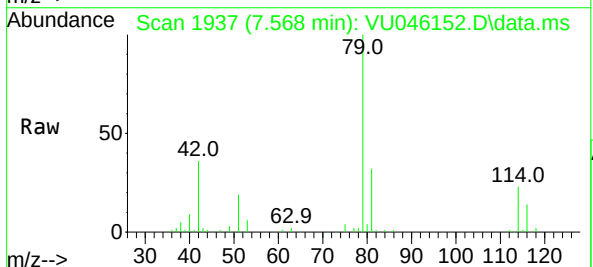
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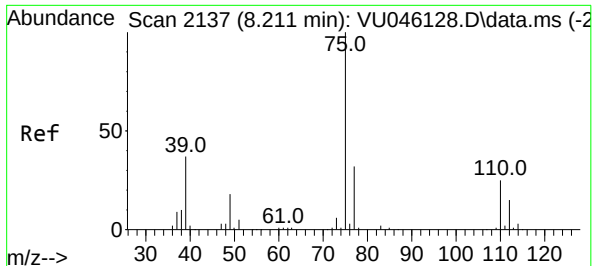
Tgt Ion: 75 Resp: 5208

Ion Ratio Lower Upper

75 100

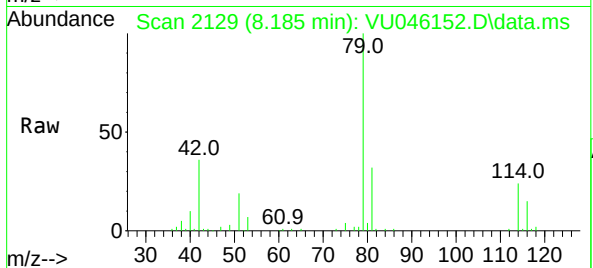
77 53.7 21.8 40.6#



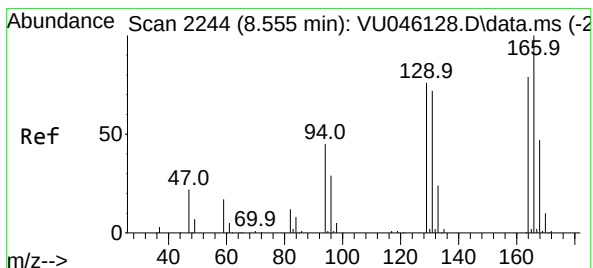
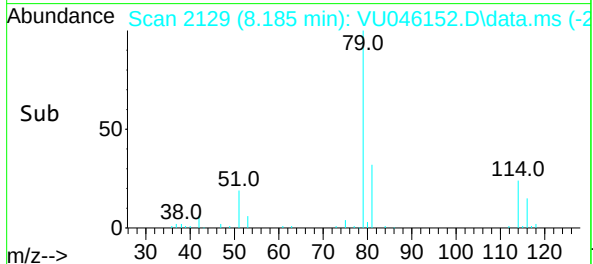
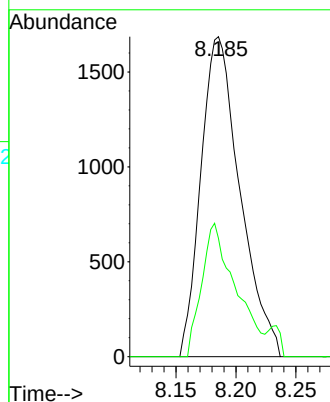


#44
trans-1,3-Dichloropropene
Concen: 1.395 ug/L
RT: 8.185 min Scan# 2137
Delta R.T. -0.029 min
Lab File: VU046152.D
Acq: 07 Dec 2021 20:19

Instrument :
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ClientSampleId :

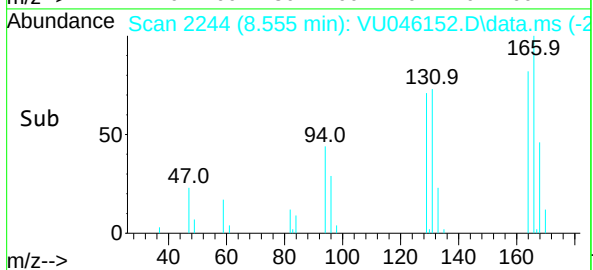
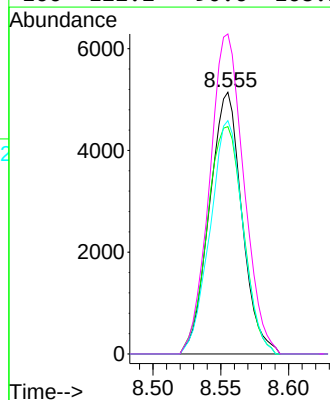
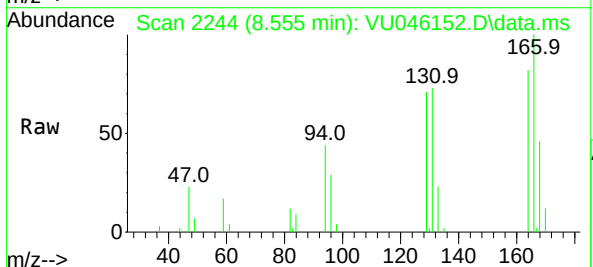


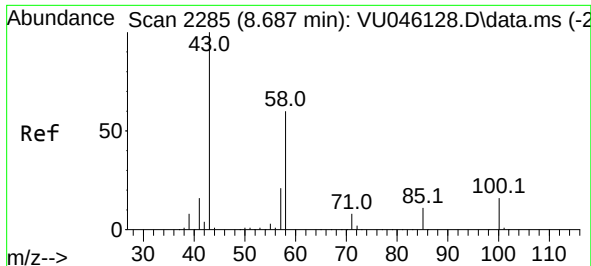
Tgt Ion: 75 Resp: 3823
Ion Ratio Lower Upper
75 100
77 37.0 21.7 40.3



#46
Tetrachloroethene
Concen: 6.339 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046152.D
Acq: 07 Dec 2021 20:19

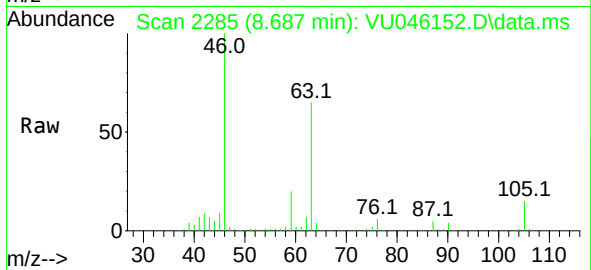
Tgt Ion: 164 Resp: 8592
Ion Ratio Lower Upper
164 100
129 86.8 71.1 132.1
131 89.1 67.8 126.0
166 122.2 90.6 168.2



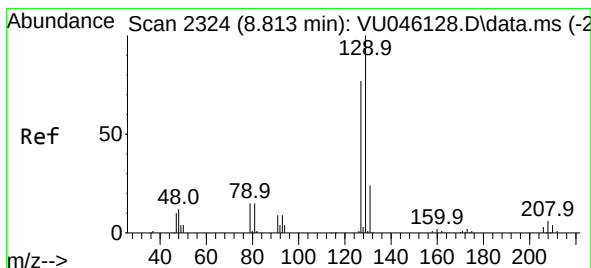
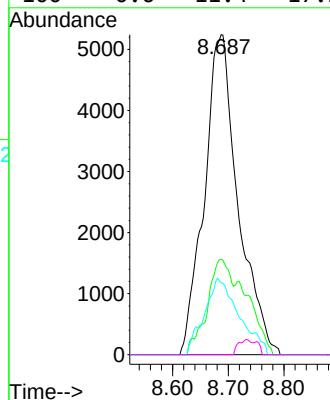
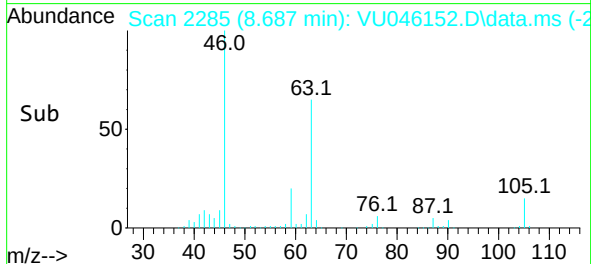


#48
2-Hexanone
Concen: 9.163 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VU046152.D
Acq: 07 Dec 2021 20:19

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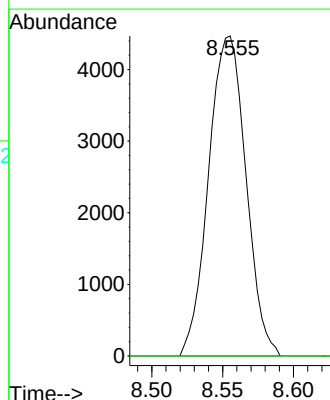
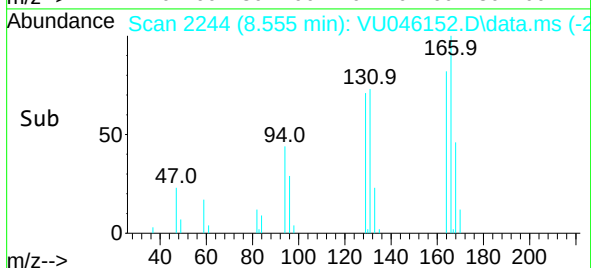
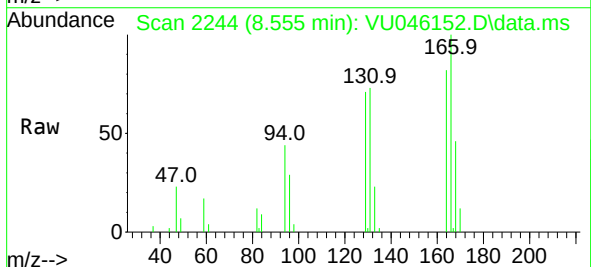


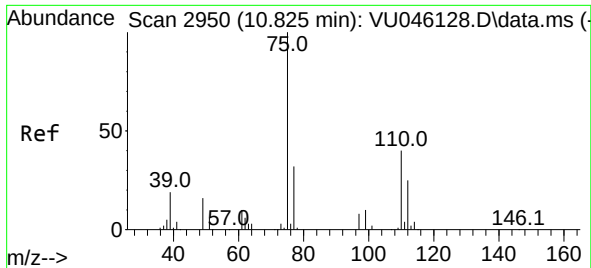
Tgt Ion: 43 Resp: 22082
Ion Ratio Lower Upper
43 100
58 16.3 47.4 71.2#
57 15.3 16.6 25.0#
100 0.6 11.4 17.2#



#49
Dibromochloromethane
Concen: 4.240 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046152.D
Acq: 07 Dec 2021 20:19

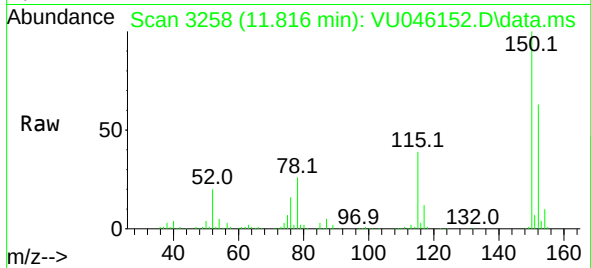
Tgt Ion: 129 Resp: 8194
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.253 ug/L
 RT: 11.816 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU046152.D
 Acq: 07 Dec 2021 20:19

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.4	39.6
110	2.7	32.4	48.6#

