

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
 Data File : VU046060.D
 Acq On : 02 Dec 2021 18:12
 Operator : SY/MD
 Sample : M4878-02 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 03 05:13:19 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)

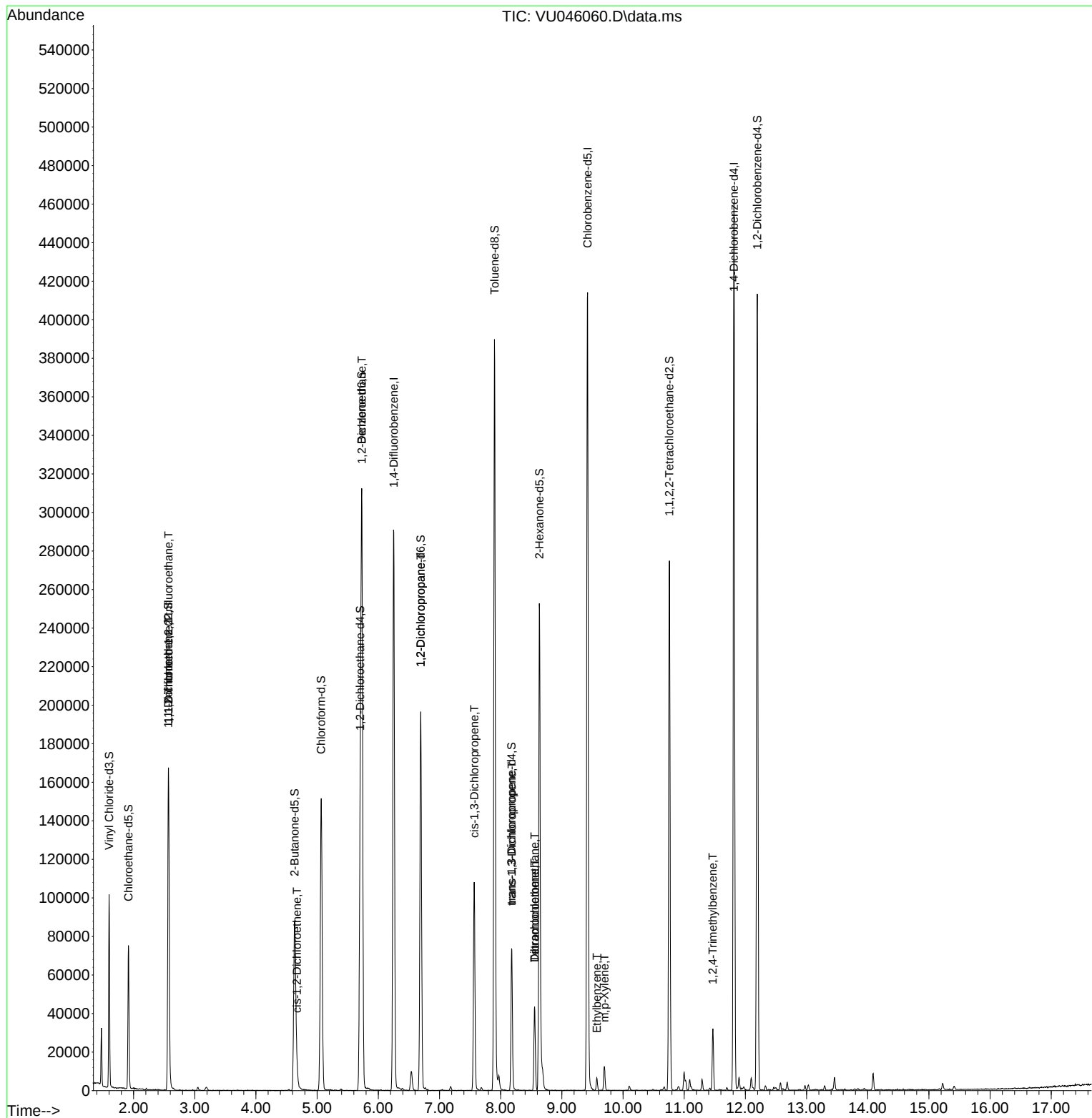
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	244149	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	236917	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	122224	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	68779	34.198	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.400%
7) Chloroethane-d5	1.916	69	53390	34.575	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.160%#
11) 1,1-Dichloroethene-d2	2.568	63	102713	28.449	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.900%#
21) 2-Butanone-d5	4.633	46	135791	84.934	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.930%
24) Chloroform-d	5.067	84	141135	42.023	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.040%
26) 1,2-Dichloroethane-d4	5.703	65	94715	42.021	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.040%
32) Benzene-d6	5.729	84	292003	43.002	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.000%
36) 1,2-Dichloropropane-d6	6.694	67	93261	44.315	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.640%
41) Toluene-d8	7.899	98	263033	42.544	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.080%
43) trans-1,3-Dichloroprop...	8.179	79	41714	41.061	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.120%
47) 2-Hexanone-d5	8.632	63	92324	92.526	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.530%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	136304	42.708	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.420%
66) 1,2-Dichlorobenzene-d4	12.195	152	105233	44.707	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.420%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	913	0.514	ug/L #	21
12) 1,1-Dichloroethene	2.572	96	698	0.413	ug/L #	1
20) cis-1,2-Dichloroethene	4.671	96	2070	1.068	ug/L	96
27) 1,2-Dichloroethane	5.732	62	1692	0.632	ug/L #	73
37) 1,2-Dichloropropane	6.694	63	9731	5.181	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2595	0.908	ug/L #	52
44) trans-1,3-Dichloropropene	8.182	75	1792	0.638	ug/L #	51
46) Tetrachloroethene	8.555	164	10172	7.327	ug/L	95
49) Dibromochloromethane	8.555	129	9648	4.875	ug/L #	10
52) Ethylbenzene	9.571	91	5123	0.619	ug/L	98
53) m,p-Xylene	9.697	106	3988	1.235	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	18143	2.736	ug/L	99

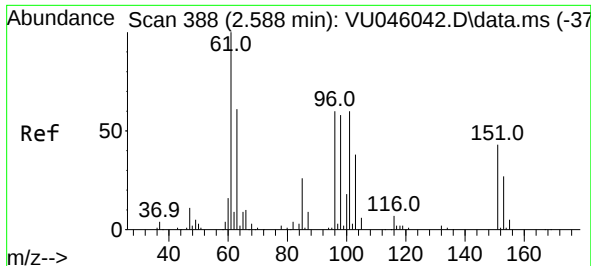
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_U/WATER
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Quant Time: Dec 03 05:13:19 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

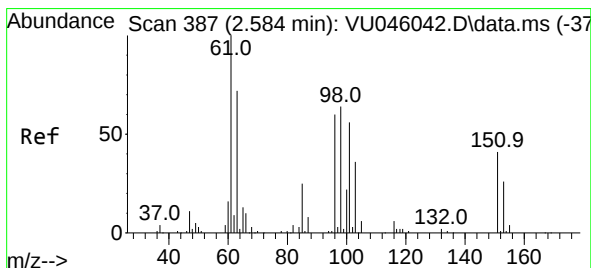
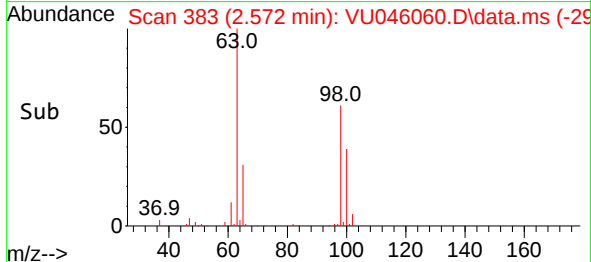
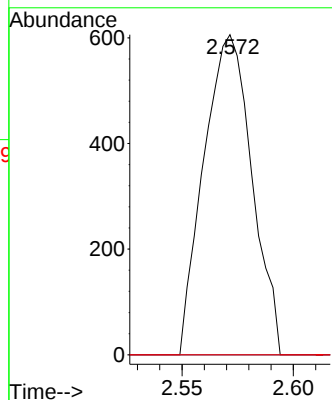
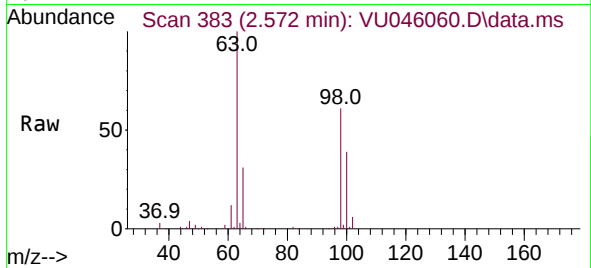




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.514 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU046060.D
Acq: 02 Dec 2021 18:12

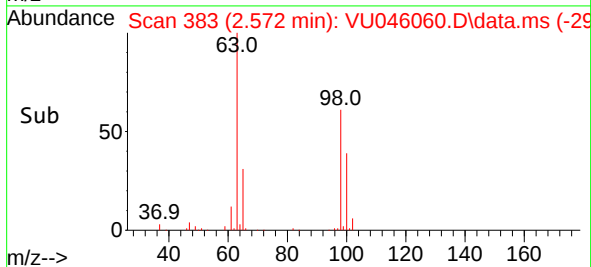
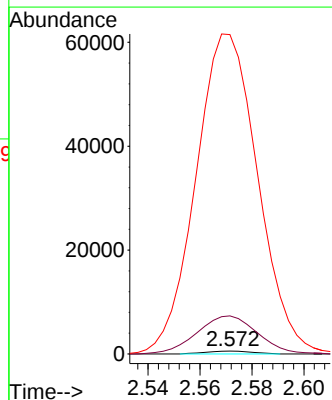
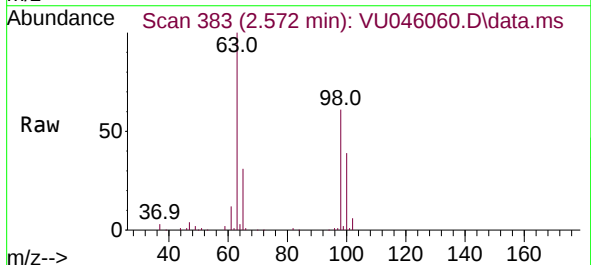
Instrument :
MSVOA_U
ClientSampleId :

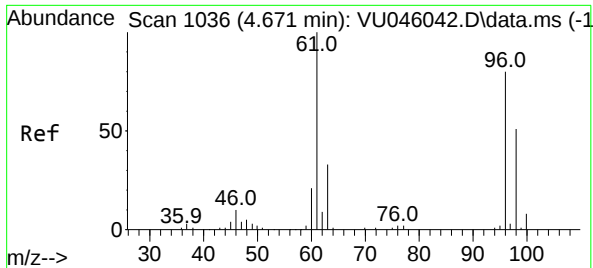
Tgt Ion:101 Resp: 913
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.413 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.013 min
Lab File: VU046060.D
Acq: 02 Dec 2021 18:12

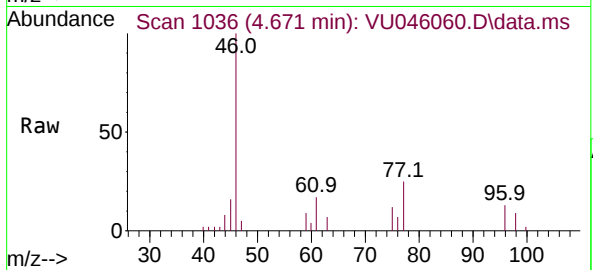
Tgt Ion: 96 Resp: 698
Ion Ratio Lower Upper
96 100
61 1312.5 118.6 220.2#
63 11022.2 93.0 172.8#





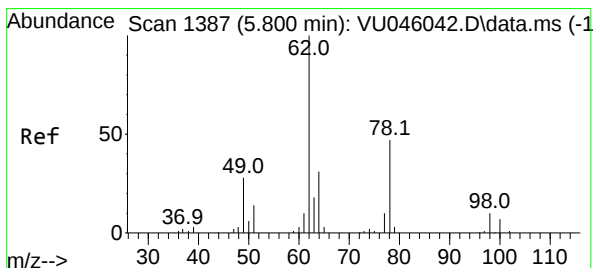
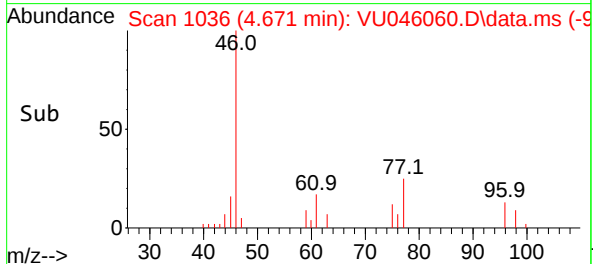
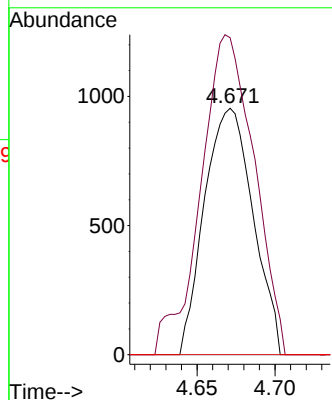
#20
 cis-1,2-Dichloroethene
 Concen: 1.068 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VU046060.D
 Acq: 02 Dec 2021 18:12

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 2070

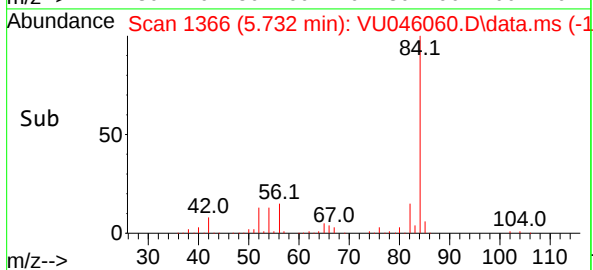
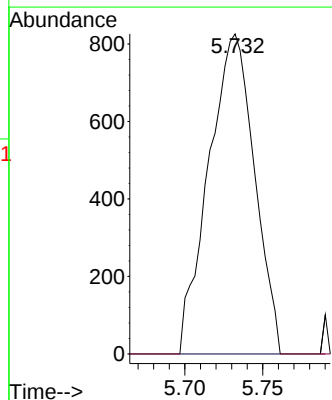
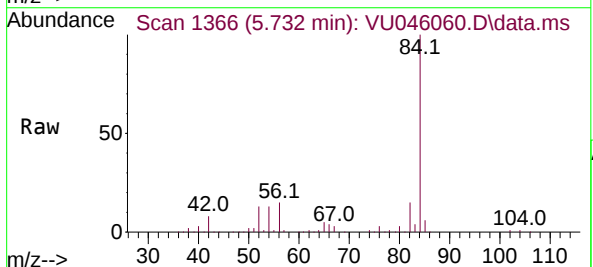
Ion	Ratio	Lower	Upper
96	100		
61	128.6	86.8	161.2
68	0.0	0.0	0.0

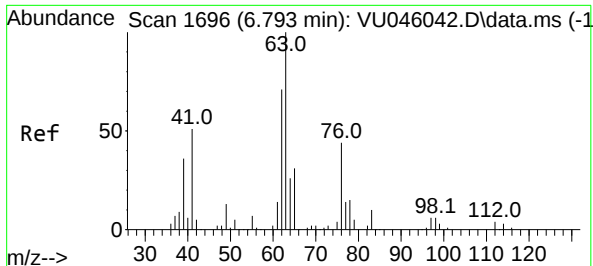


#27
 1,2-Dichloroethane
 Concen: 0.632 ug/L
 RT: 5.732 min Scan# 1366
 Delta R.T. -0.068 min
 Lab File: VU046060.D
 Acq: 02 Dec 2021 18:12

Tgt Ion: 62 Resp: 1692

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.9	11.9#





#37

1,2-Dichloropropane

Concen: 5.181 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046060.D

Acq: 02 Dec 2021 18:12

Instrument :

MSVOA_U

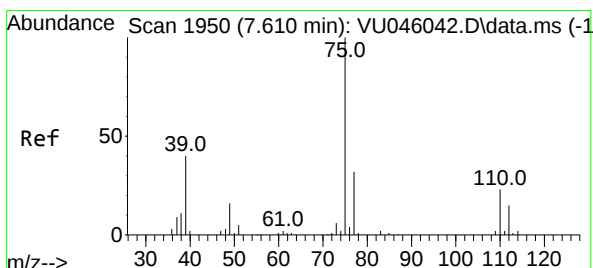
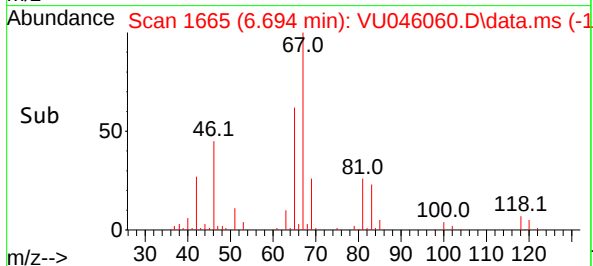
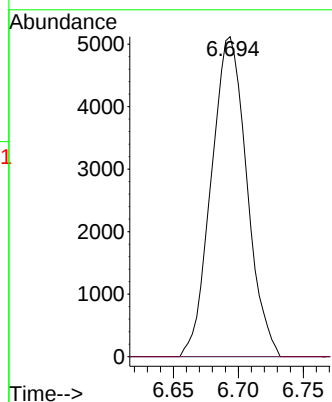
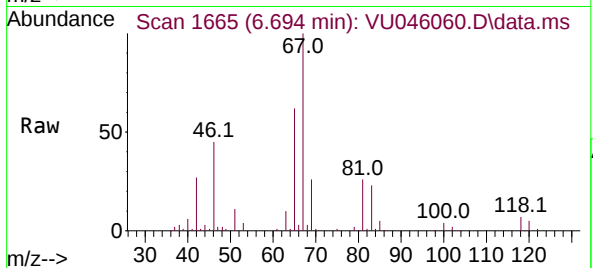
ClientSampleId :

Tgt Ion: 63 Resp: 9731

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.908 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046060.D

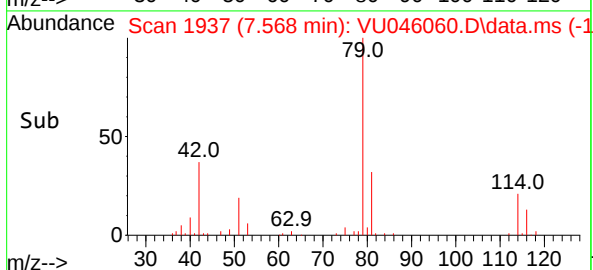
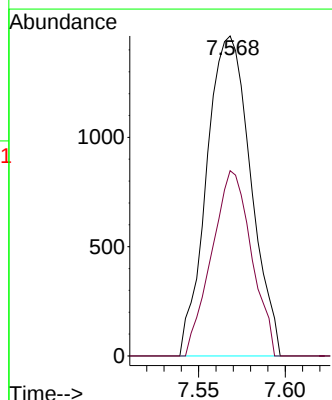
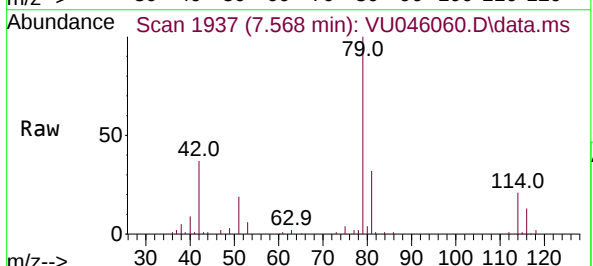
Acq: 02 Dec 2021 18:12

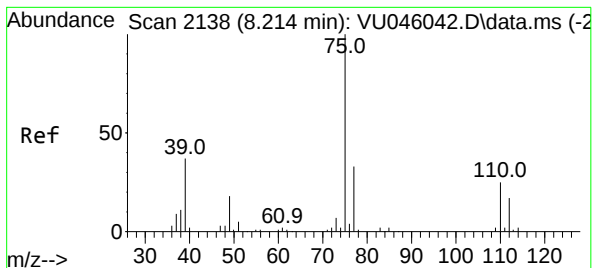
Tgt Ion: 75 Resp: 2595

Ion Ratio Lower Upper

75 100

77 57.9 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.638 ug/L

RT: 8.182 min Scan# 2138

Delta R.T. -0.032 min

Lab File: VU046060.D

Acq: 02 Dec 2021 18:12

Instrument :

MSVOA_U

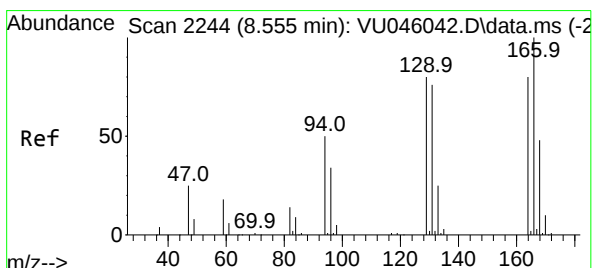
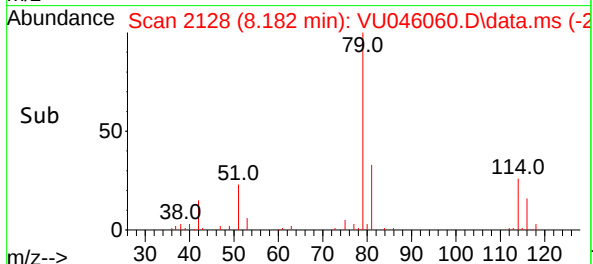
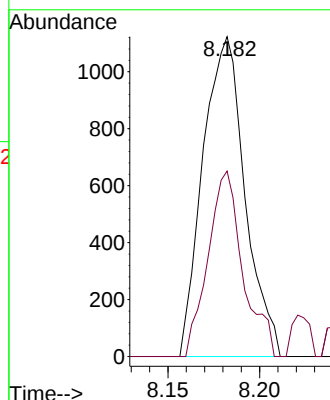
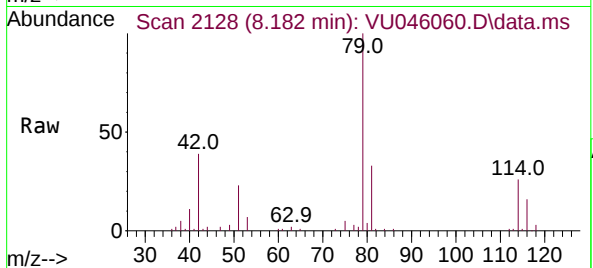
ClientSampleId :

Tgt Ion: 75 Resp: 1792

Ion Ratio Lower Upper

75 100

77 58.0 21.7 40.3#



#46

Tetrachloroethene

Concen: 7.327 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU046060.D

Acq: 02 Dec 2021 18:12

Tgt Ion: 164 Resp: 10172

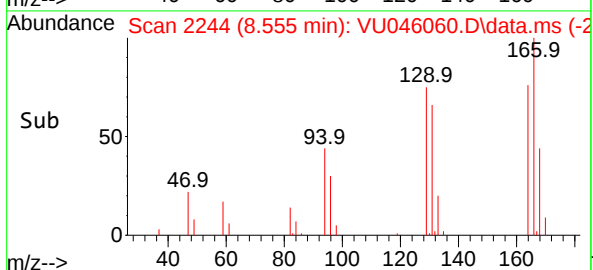
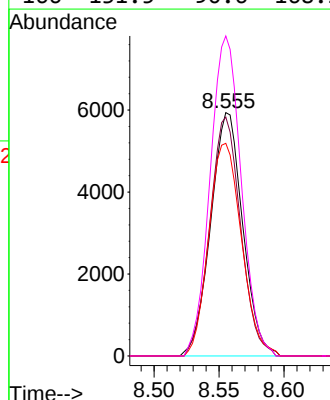
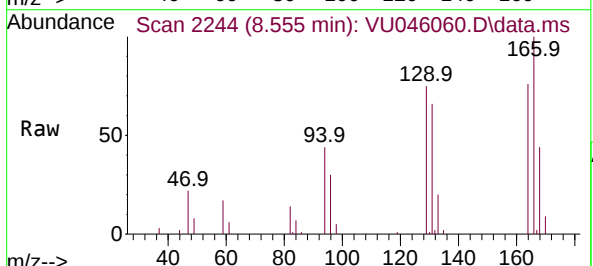
Ion Ratio Lower Upper

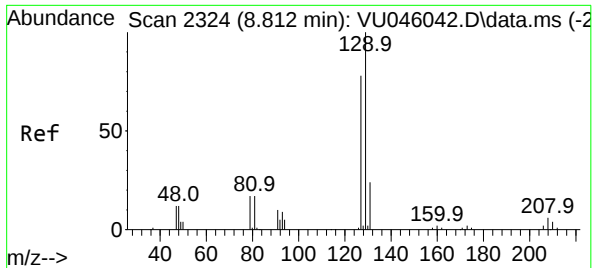
164 100

129 98.2 71.1 132.1

131 87.4 67.8 126.0

166 131.5 90.6 168.2

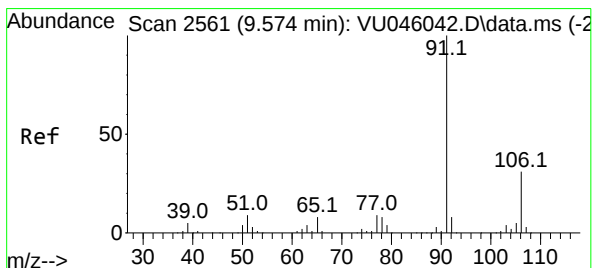
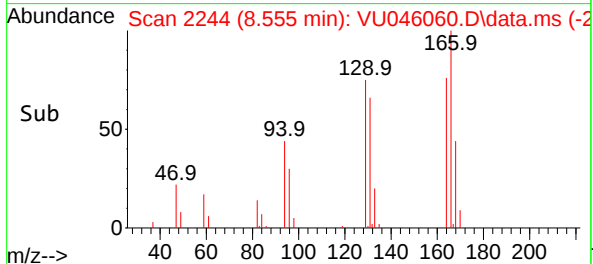
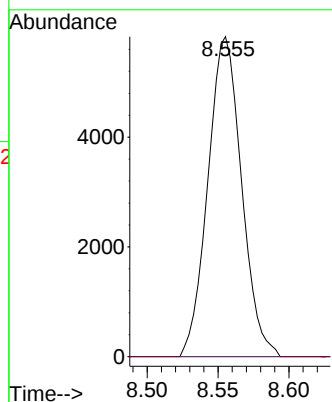
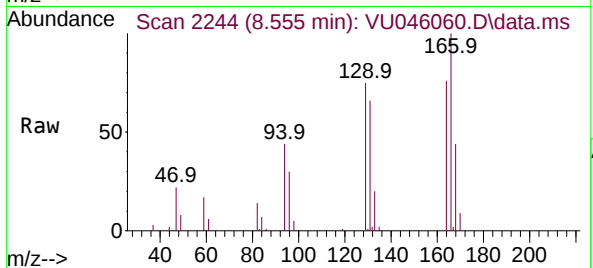




#49
Dibromochloromethane
Concen: 4.875 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046060.D
Acq: 02 Dec 2021 18:12

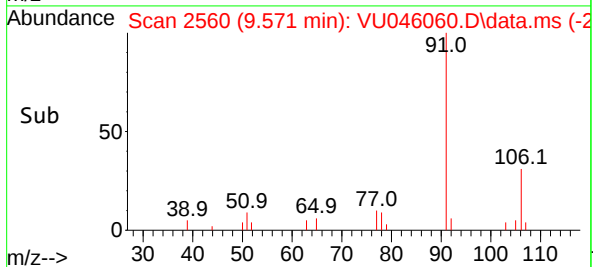
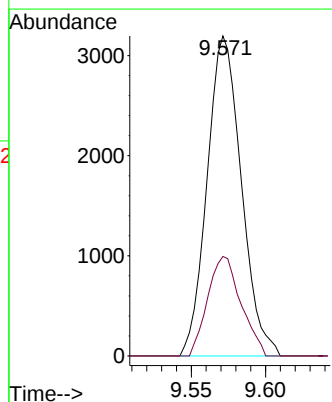
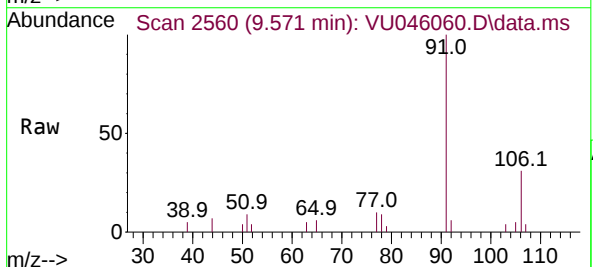
Instrument :
MSVOA_U
ClientSampleId :

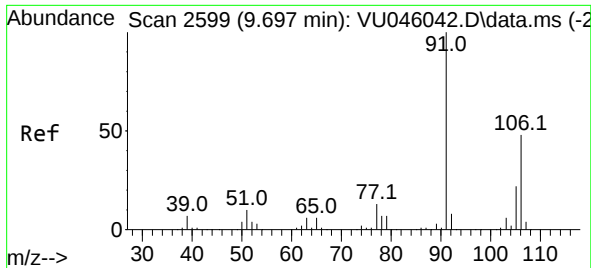
Tgt Ion:129 Resp: 9648
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#52
Ethylbenzene
Concen: 0.619 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046060.D
Acq: 02 Dec 2021 18:12

Tgt Ion: 91 Resp: 5123
Ion Ratio Lower Upper
91 100
106 31.1 21.1 39.3

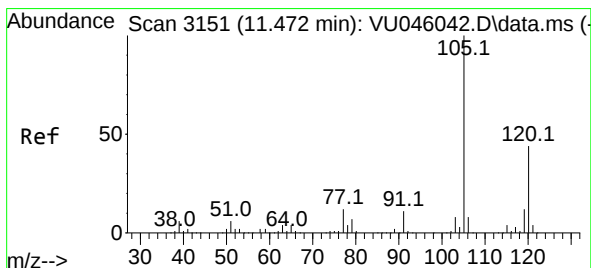
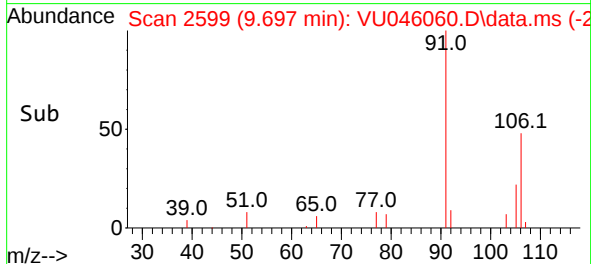
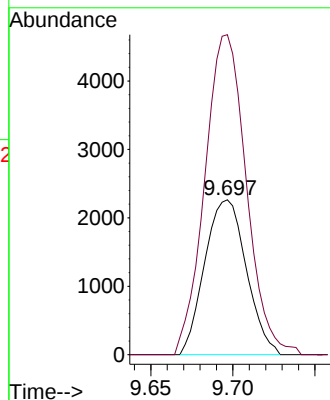
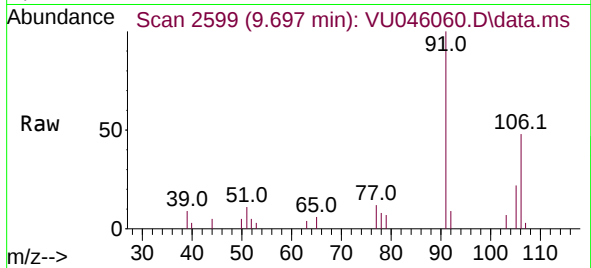




#53
m,p-Xylene
Concen: 1.235 ug/L
RT: 9.697 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046060.D
Acq: 02 Dec 2021 18:12

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 3988
Ion Ratio Lower Upper
106 100
91 206.6 144.3 268.1



#63
1,2,4-Trimethylbenzene
Concen: 2.736 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU046060.D
Acq: 02 Dec 2021 18:12

Tgt Ion:105 Resp: 18143
Ion Ratio Lower Upper
105 100
120 44.6 35.2 52.8

