

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120121\
 Data File : VU046039.D
 Acq On : 01 Dec 2021 17:11
 Operator : SY/MD
 Sample : M4878-02 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

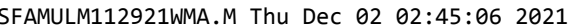
Instrument :
 MSVOA_U
 ClientSampleId :

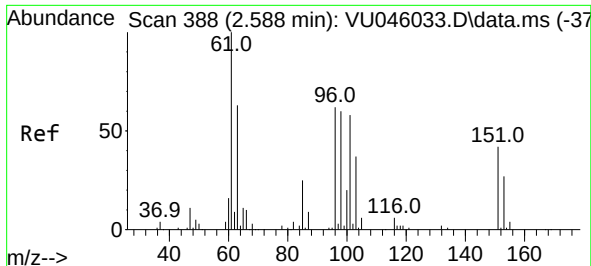
Quant Time: Dec 02 02:44:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 02 02:43:07 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	192492	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	191754	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	93393	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	66541	41.964	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.920%
7) Chloroethane-d5	1.919	69	53941	44.307	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.620%
11) 1,1-Dichloroethene-d2	2.572	63	91788	32.246	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.500%
21) 2-Butanone-d5	4.642	46	120154	95.321	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.320%
24) Chloroform-d	5.067	84	123483	46.633	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.260%
26) 1,2-Dichloroethane-d4	5.703	65	82670	46.520	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.040%
32) Benzene-d6	5.729	84	256848	46.734	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.460%
36) 1,2-Dichloropropane-d6	6.694	67	80866	47.476	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.960%
41) Toluene-d8	7.899	98	230372	46.037	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.080%
43) trans-1,3-Dichloroprop...	8.179	79	37359	45.435	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.880%
47) 2-Hexanone-d5	8.636	63	74765	92.577	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.580%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	119058	46.091	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.180%
66) 1,2-Dichlorobenzene-d4	12.195	152	89518	49.771	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.540%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	866	0.618	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	603	0.453	ug/L #	1
20) cis-1,2-Dichloroethene	4.671	96	1923	1.258	ug/L	80
27) 1,2-Dichloroethane	5.729	62	1288	0.610	ug/L #	73
37) 1,2-Dichloropropane	6.690	63	8809	5.794	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	2329	1.007	ug/L #	77
44) trans-1,3-Dichloropropene	8.179	75	1523	0.670	ug/L #	75
46) Tetrachloroethene	8.555	164	9259	8.241	ug/L	95
49) Dibromochloromethane	8.555	129	8916	5.567	ug/L #	10
52) Ethylbenzene	9.571	91	4064	0.606	ug/L	99
53) m,p-Xylene	9.693	106	3051	1.167	ug/L	92
60) 1,2,3-Trichloropropane	11.812	75	11457	5.596	ug/L #	65
63) 1,2,4-Trimethylbenzene	11.468	105	13826	2.728	ug/L	94

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

Quant Time: Dec 02 02:44:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 02 02:43:07 2021
Response via : Initial Calibration

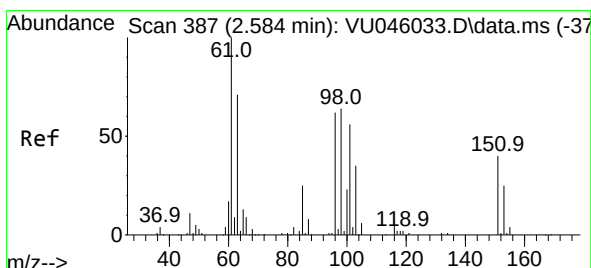
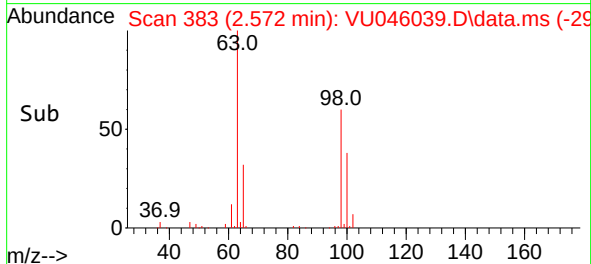
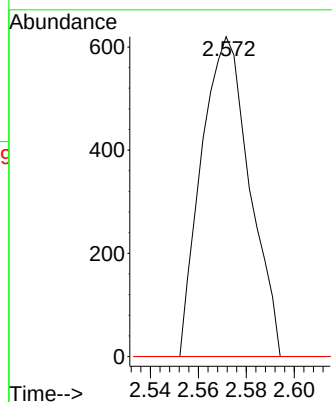
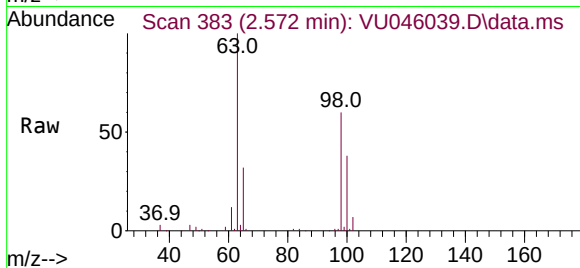




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.618 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU046039.D
Acq: 01 Dec 2021 17:11

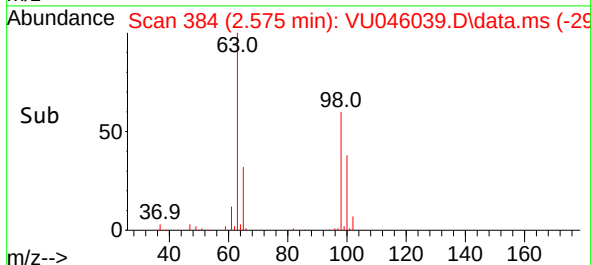
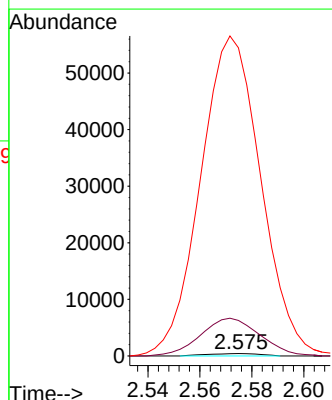
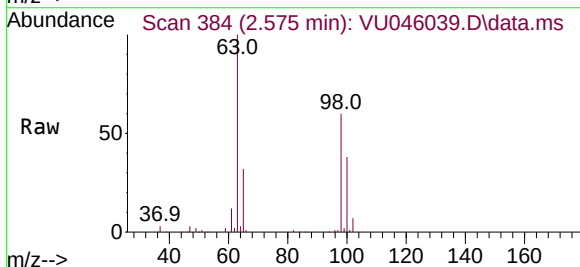
Instrument :
MSVOA_U
ClientSampleId :

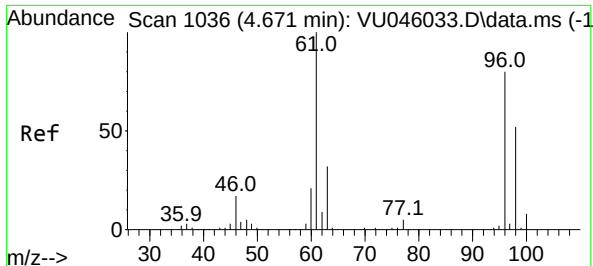
Tgt Ion:101 Resp: 866
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.453 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.010 min
Lab File: VU046039.D
Acq: 01 Dec 2021 17:11

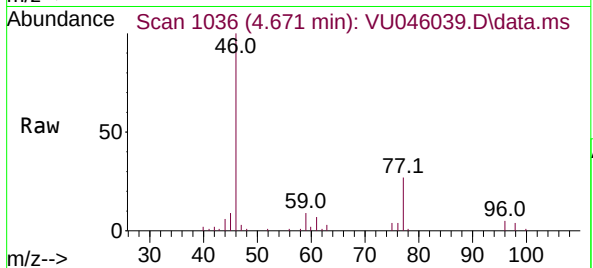
Tgt Ion: 96 Resp: 603
Ion Ratio Lower Upper
96 100
61 1502.6 118.6 220.2#
63 13025.8 93.0 172.8#



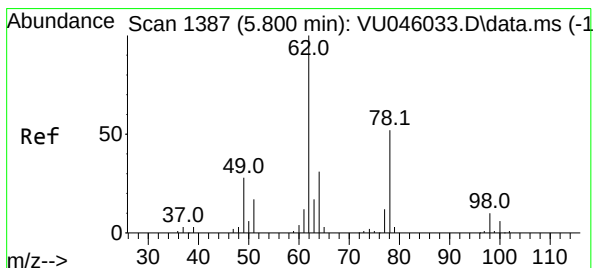
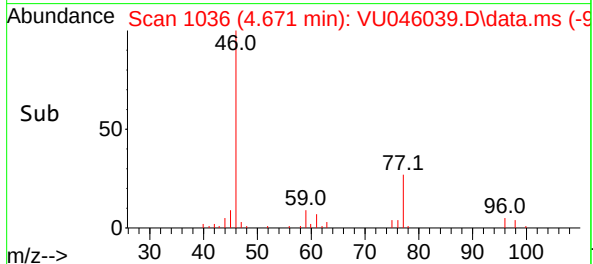
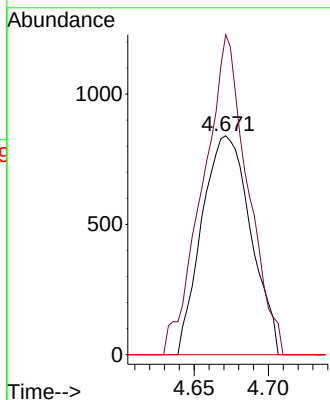


#20
 cis-1,2-Dichloroethene
 Concen: 1.258 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VU046039.D
 Acq: 01 Dec 2021 17:11

Instrument :
 MSVOA_U
 ClientSampleId :

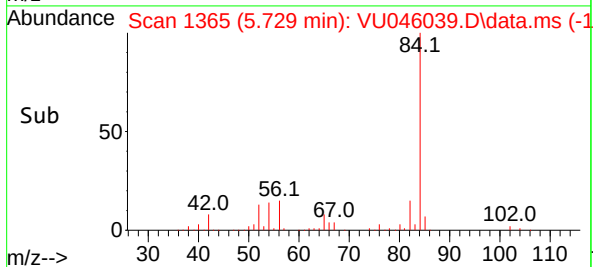
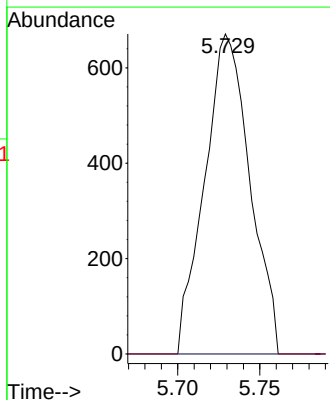
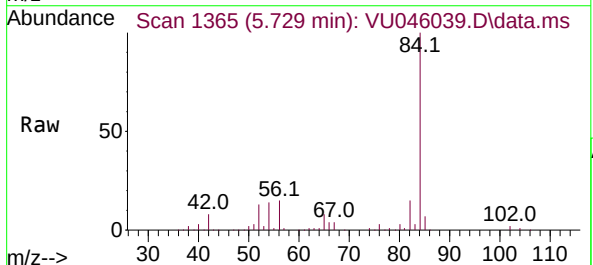


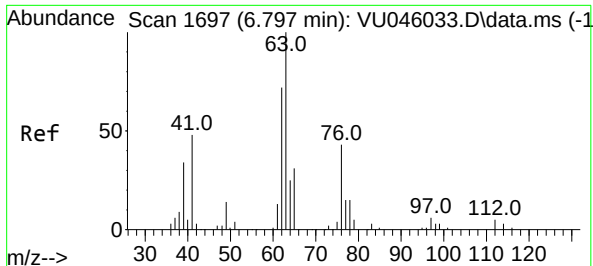
Tgt Ion: 96	Resp: 1923
Ion Ratio	Lower Upper
96 100	
61 146.2	86.8 161.2
68 0.0	0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.610 ug/L
 RT: 5.729 min Scan# 1365
 Delta R.T. -0.071 min
 Lab File: VU046039.D
 Acq: 01 Dec 2021 17:11

Tgt Ion: 62	Resp:	1288	
Ion Ratio	Lower	Upper	
62 100			
98 0.0	7.9	11.9#	





#37

1,2-Dichloropropane

Concen: 5.794 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.106 min

Lab File: VU046039.D

Acq: 01 Dec 2021 17:11

Instrument :

MSVOA_U

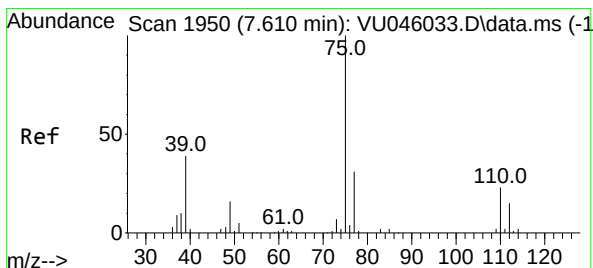
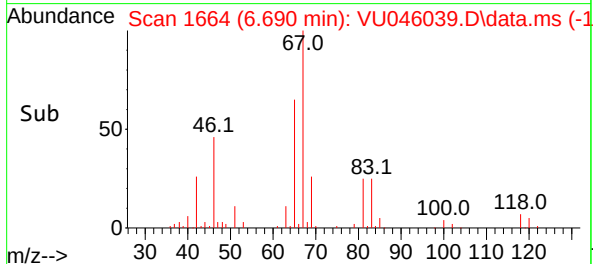
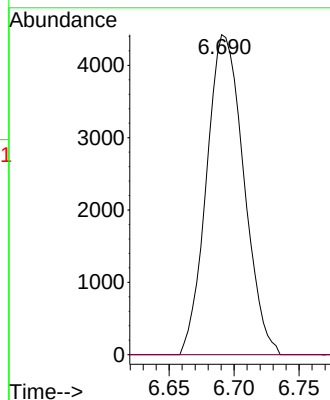
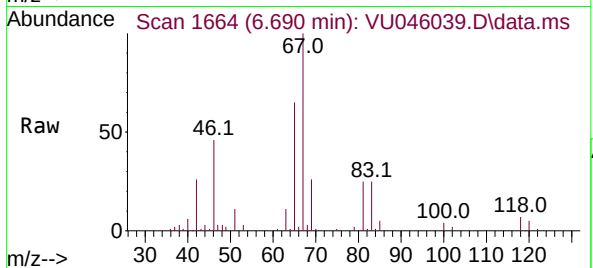
ClientSampleId :

Tgt Ion: 63 Resp: 8809

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.007 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046039.D

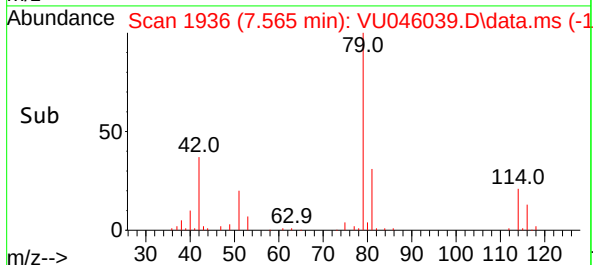
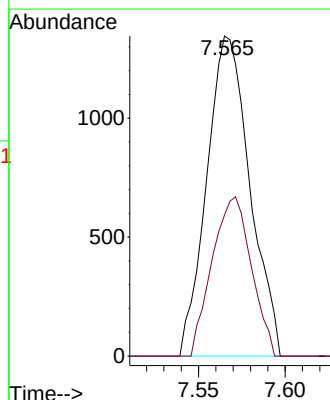
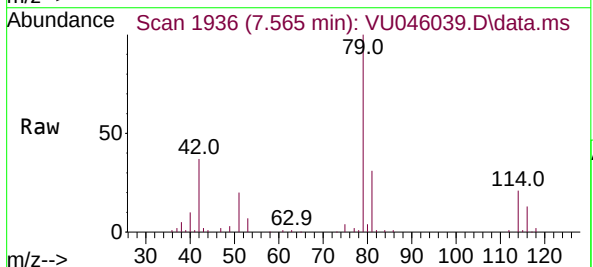
Acq: 01 Dec 2021 17:11

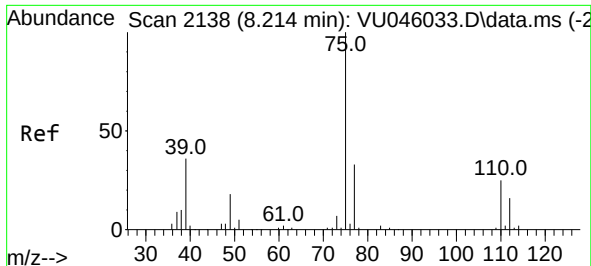
Tgt Ion: 75 Resp: 2329

Ion Ratio Lower Upper

75 100

77 44.1 21.8 40.6#

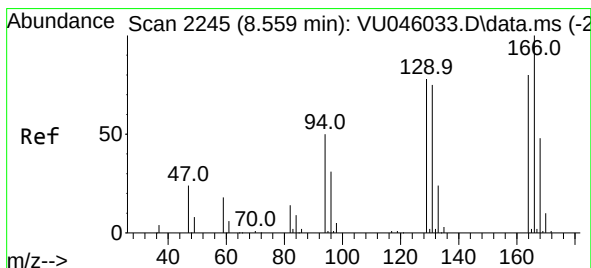
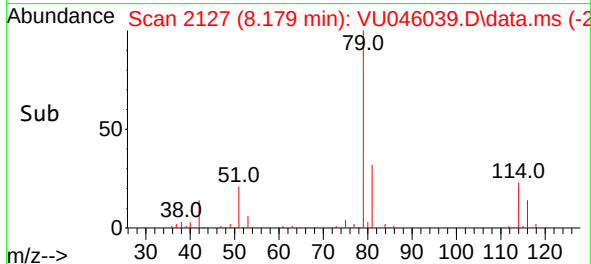
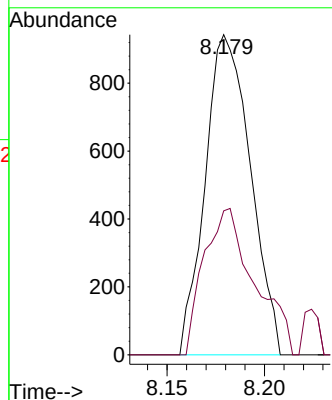
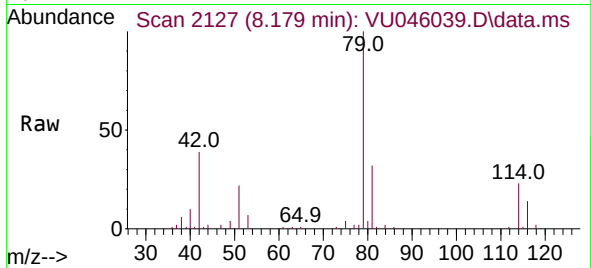




#44
trans-1,3-Dichloropropene
Concen: 0.670 ug/L
RT: 8.179 min Scan# 2138
Delta R.T. -0.035 min
Lab File: VU046039.D
Acq: 01 Dec 2021 17:11

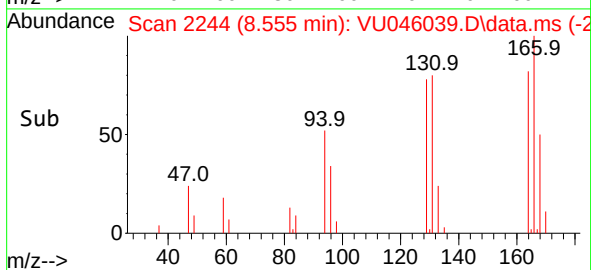
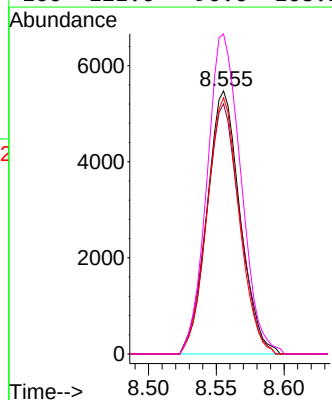
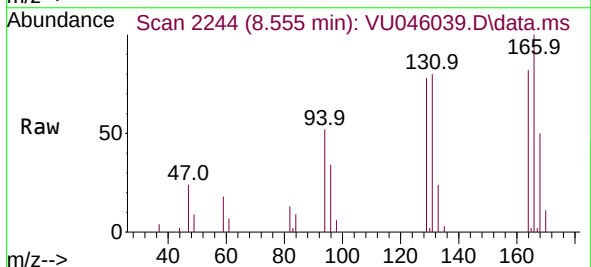
Instrument :
MSVOA_U
ClientSampleId :

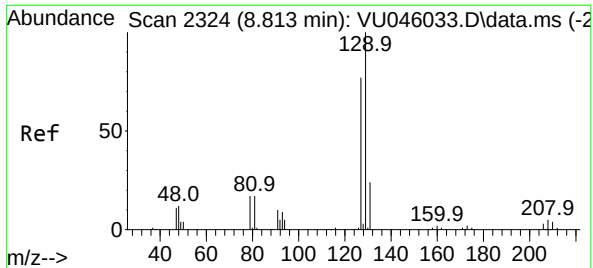
Tgt Ion: 75 Resp: 1523
Ion Ratio Lower Upper
75 100
77 45.0 21.7 40.3#



#46
Tetrachloroethene
Concen: 8.241 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU046039.D
Acq: 01 Dec 2021 17:11

Tgt Ion:164 Resp: 9259
Ion Ratio Lower Upper
164 100
129 95.1 71.1 132.1
131 97.4 67.8 126.0
166 121.6 90.6 168.2

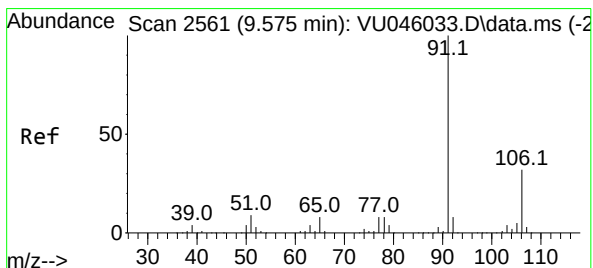
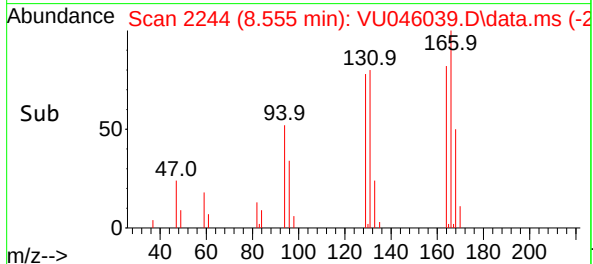
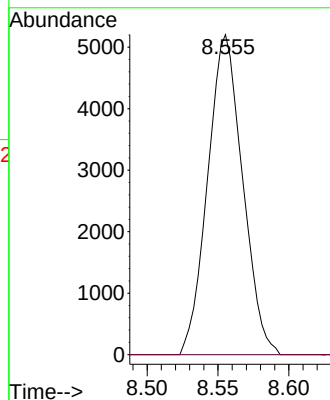
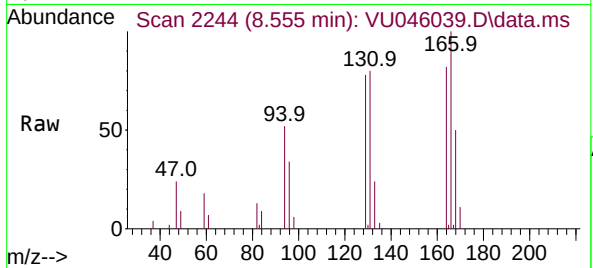




#49
Dibromochloromethane
Concen: 5.567 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046039.D
Acq: 01 Dec 2021 17:11

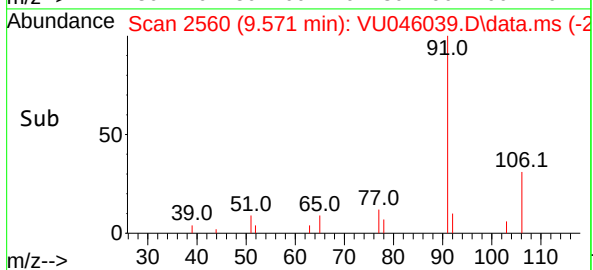
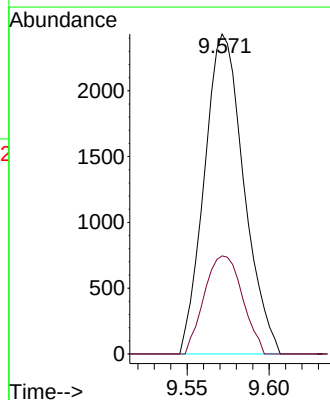
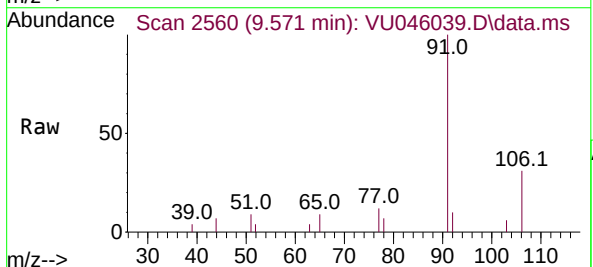
Instrument :
MSVOA_U
ClientSampleId :

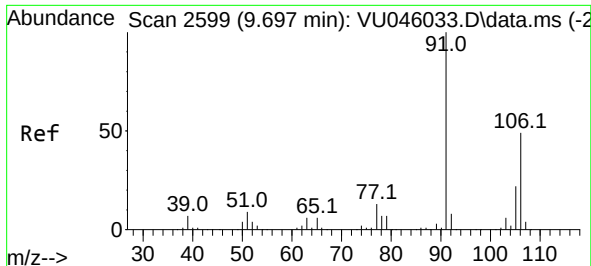
Tgt Ion:129 Resp: 8916
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#52
Ethylbenzene
Concen: 0.606 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046039.D
Acq: 01 Dec 2021 17:11

Tgt Ion: 91 Resp: 4064
Ion Ratio Lower Upper
91 100
106 30.7 21.1 39.3

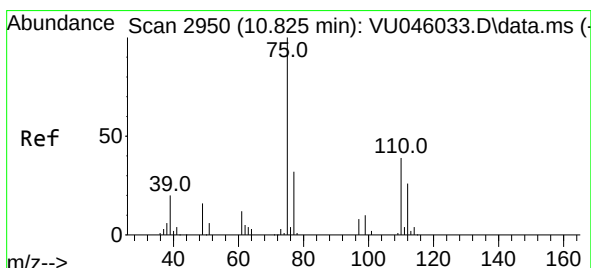
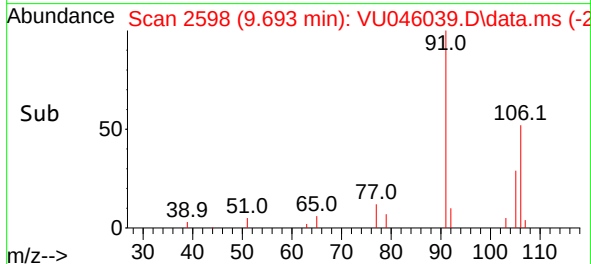
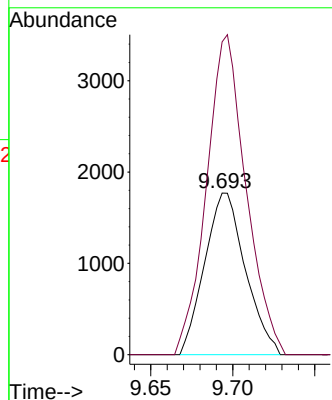
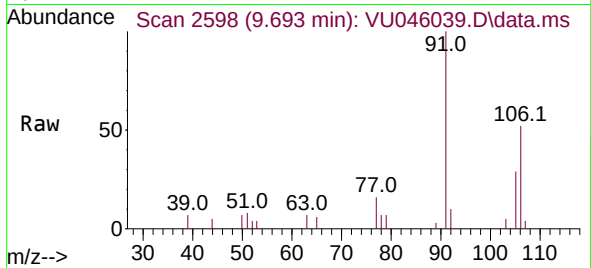




#53
m,p-Xylene
Concen: 1.167 ug/L
RT: 9.693 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046039.D
Acq: 01 Dec 2021 17:11

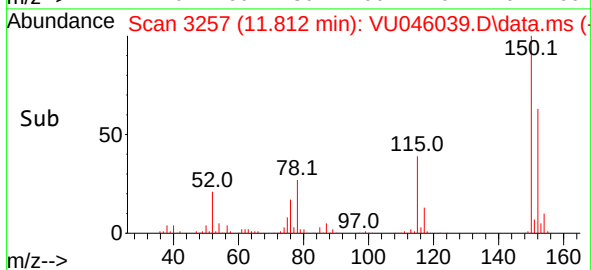
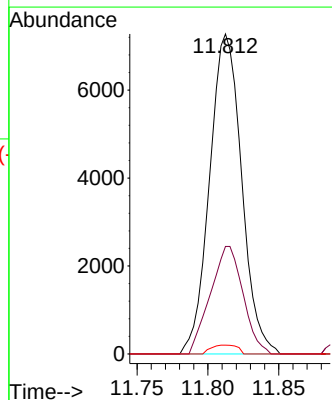
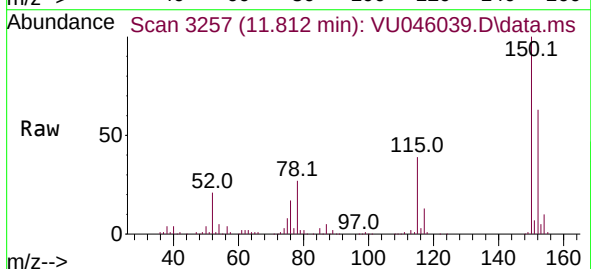
Instrument :
MSVOA_U
ClientSampleId :

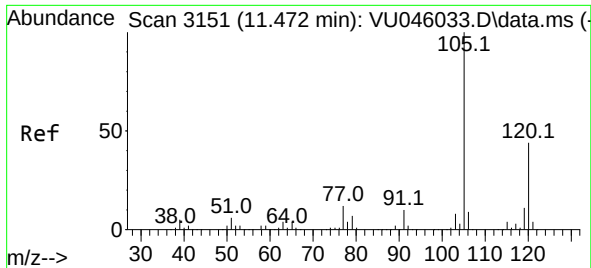
Tgt Ion:106 Resp: 3051
Ion Ratio Lower Upper
106 100
91 193.7 144.3 268.1



#60
1,2,3-Trichloropropane
Concen: 5.596 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046039.D
Acq: 01 Dec 2021 17:11

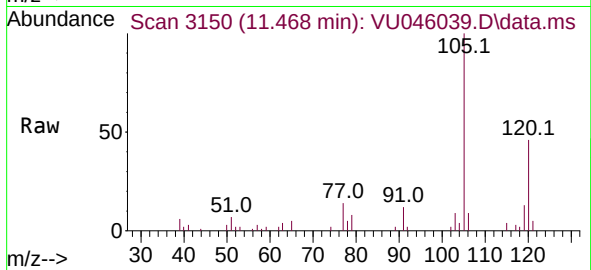
Tgt Ion: 75 Resp: 11457
Ion Ratio Lower Upper
75 100
77 34.2 26.4 39.6
110 2.3 32.4 48.6#





#63
 1,2,4-Trimethylbenzene
 Concen: 2.728 ug/L
 RT: 11.468 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU046039.D
 Acq: 01 Dec 2021 17:11

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:105 Resp: 13826
 Ion Ratio Lower Upper
 105 100
 120 47.7 35.2 52.8

