

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
 Data File : VU046120.D
 Acq On : 06 Dec 2021 18:42
 Operator : SY/MD
 Sample : M4972-07DL 10X
 Misc : 7.42g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 01:12:42 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	214456	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	207147	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	112506	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	66717	37.766	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	75.540%		
7) Chloroethane-d5	1.912	69	41806	30.822	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	61.640%#		
11) 1,1-Dichloroethene-d2	2.568	63	98706	31.124	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.240%		
21) 2-Butanone-d5	4.633	46	115112	81.968	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	81.970%		
24) Chloroform-d	5.067	84	125741	42.623	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.240%		
26) 1,2-Dichloroethane-d4	5.703	65	88827	44.866	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.740%		
32) Benzene-d6	5.729	84	286338	48.228	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.460%		
36) 1,2-Dichloropropane-d6	6.694	67	88587	48.144	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.280%		
41) Toluene-d8	7.899	98	258300	47.782	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.560%		
43) trans-1,3-Dichloroprop...	8.182	79	41770	47.025	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.060%		
47) 2-Hexanone-d5	8.636	63	88472	101.409	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.410%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	131166	47.005	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.000%		
66) 1,2-Dichlorobenzene-d4	12.195	152	107877	49.789	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.580%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	869	0.557	ug/L #	21
12) 1,1-Dichloroethene	2.565	96	793	0.535	ug/L #	1
20) cis-1,2-Dichloroethene	4.665	96	1708	1.003	ug/L	100
25) Chloroform	5.089	83	14057	4.434	ug/L	93
33) Benzene	5.777	78	4523	0.721	ug/L	100
37) 1,2-Dichloropropane	6.690	63	9141	5.566	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2674	1.070	ug/L #	64
42) Toluene	7.970	91	31445	4.674	ug/L	98
44) trans-1,3-Dichloropropene	8.179	75	1928	0.786	ug/L	94
52) Ethylbenzene	9.571	91	146649	20.255	ug/L	99
53) m,p-Xylene	9.693	106	173521	61.455	ug/L	97
54) o-xylene	10.102	106	45545	16.624	ug/L	95
55) Styrene	10.108	104	2861	0.612	ug/L #	1
61) Isopropylbenzene	10.484	105	25691	3.510	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	32057	5.254	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	98252	16.095	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	8302	2.371	ug/L	100
71) Naphthalene	14.086	128	187175	23.924	ug/L	100

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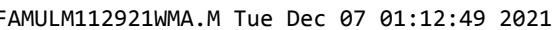
Instrument :
MSVOA_U
ClientSampleId :

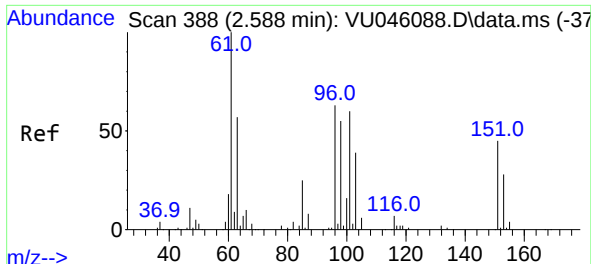
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
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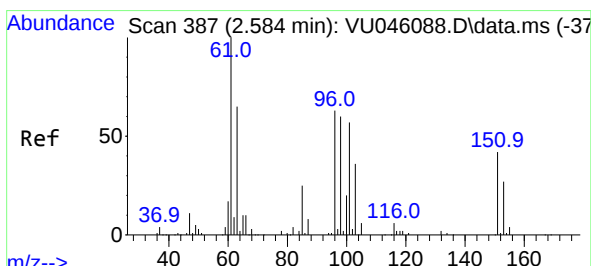
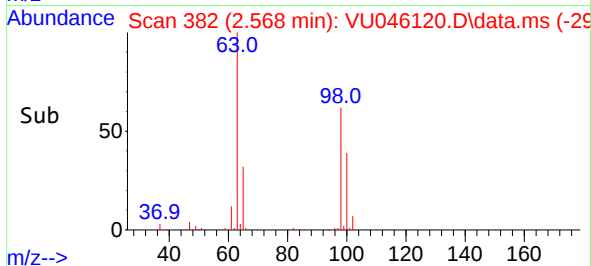
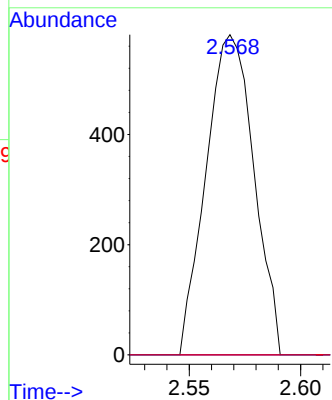
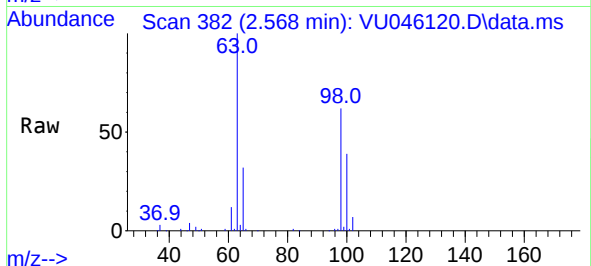




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.557 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.019 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

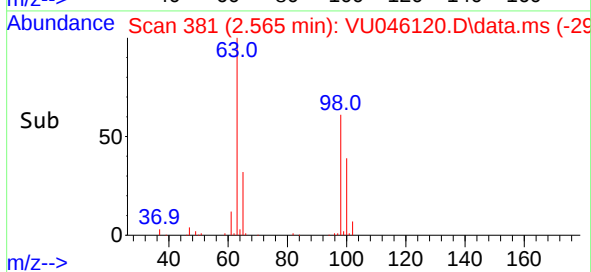
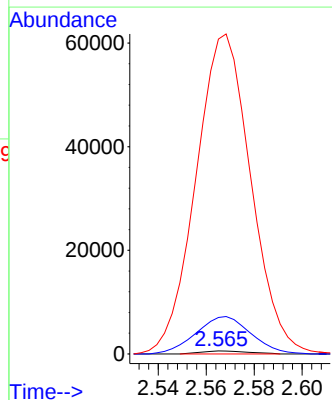
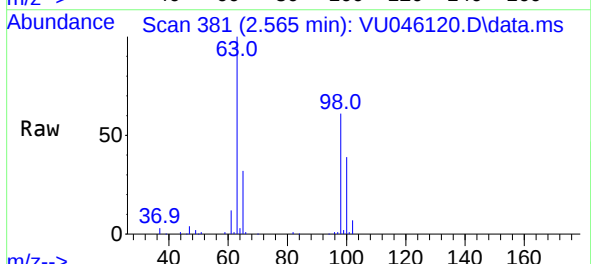
Instrument :
MSVOA_U
ClientSampleId :

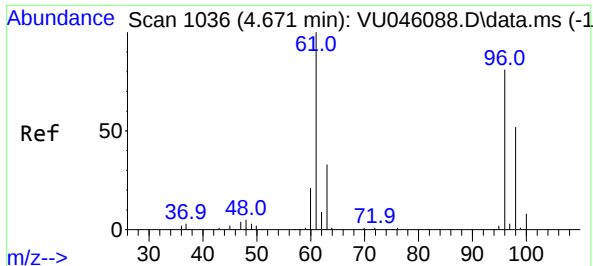
Tgt Ion:101 Resp: 869
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.535 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.019 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

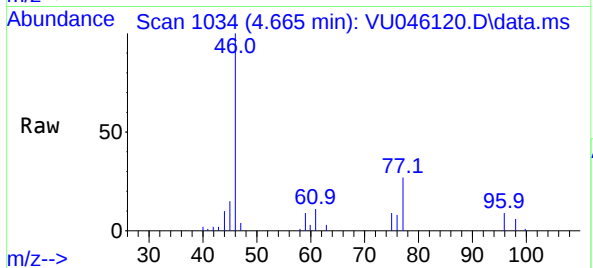
Tgt Ion: 96 Resp: 793
Ion Ratio Lower Upper
96 100
61 1211.9 118.6 220.2#
63 10439.9 93.0 172.8#



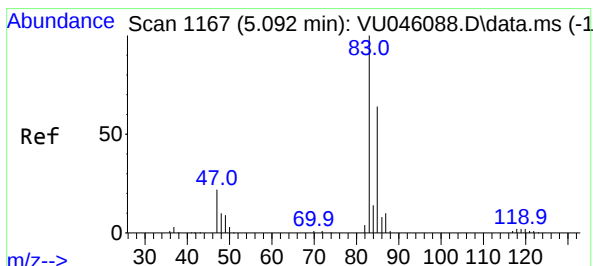
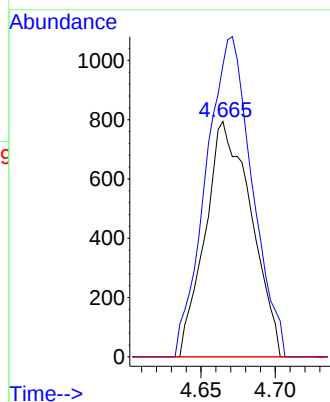
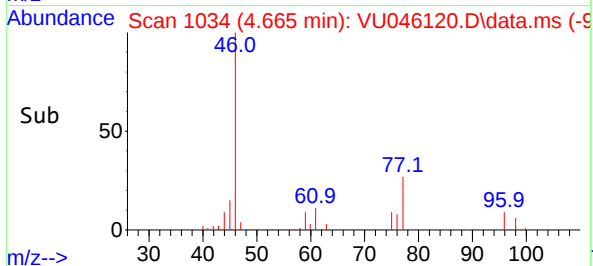


#20
cis-1,2-Dichloroethene
Concen: 1.003 ug/L
RT: 4.665 min Scan# 110
Delta R.T. -0.006 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

Instrument :
MSVOA_U
ClientSampleId :

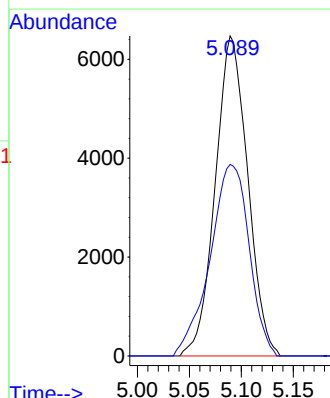
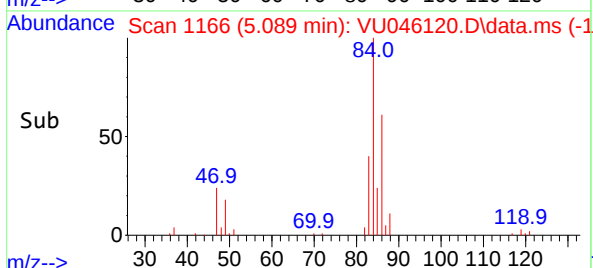
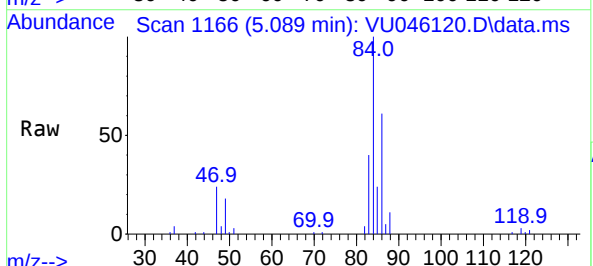


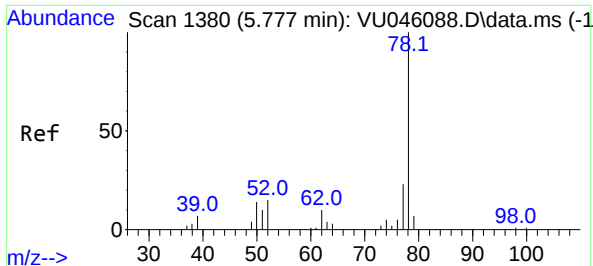
Tgt Ion: 96 Resp: 1708
Ion Ratio Lower Upper
96 100
61 123.9 86.8 161.2
68 0.0 0.0 0.0



#25
Chloroform
Concen: 4.434 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

Tgt Ion: 83 Resp: 14057
Ion Ratio Lower Upper
83 100
85 59.9 45.8 85.2

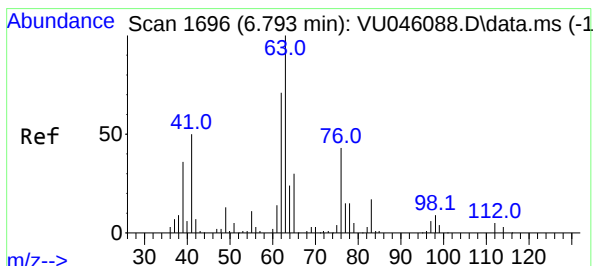
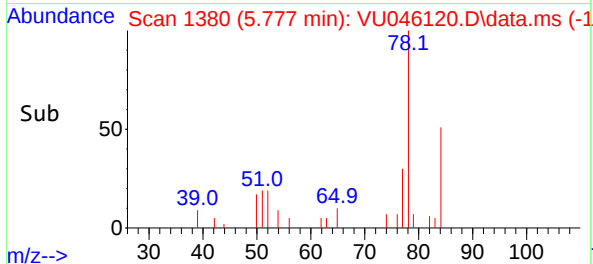
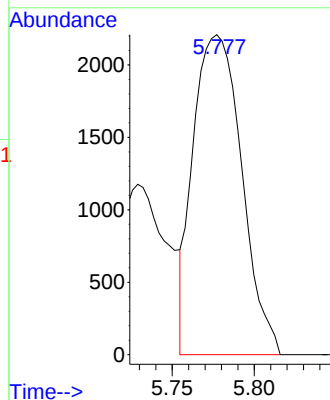
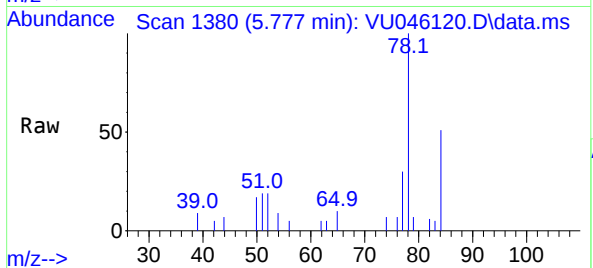




#33
Benzene
Concen: 0.721 ug/L
RT: 5.777 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

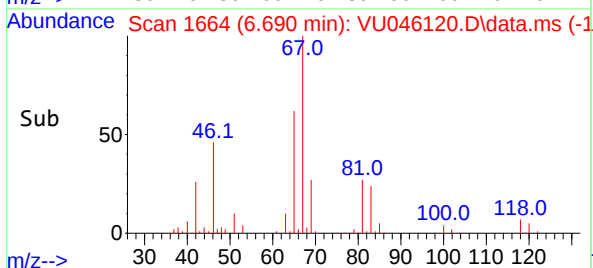
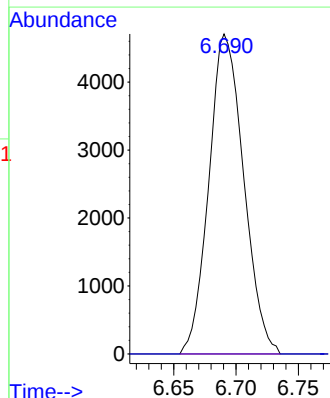
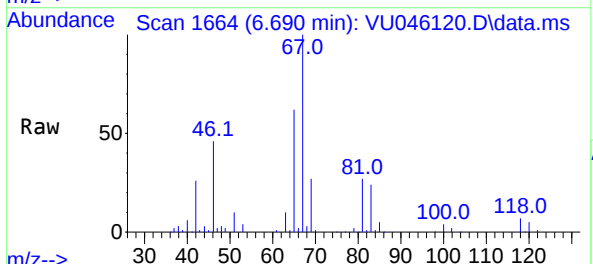
Instrument :
MSVOA_U
ClientSampleId :

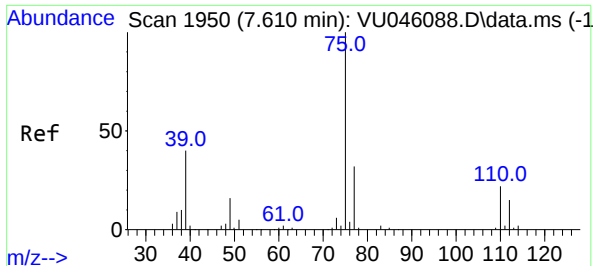
Tgt Ion: 78 Resp: 4523



#37
1,2-Dichloropropane
Concen: 5.566 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

Tgt Ion: 63 Resp: 9141
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.070 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046120.D

Acq: 06 Dec 2021 18:42

Instrument :

MSVOA_U

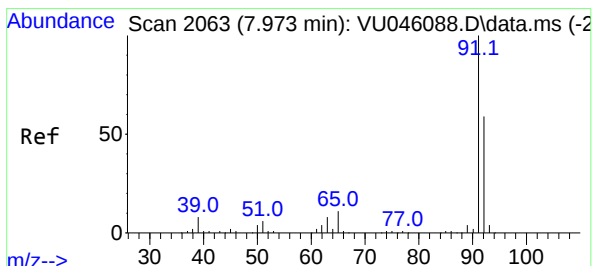
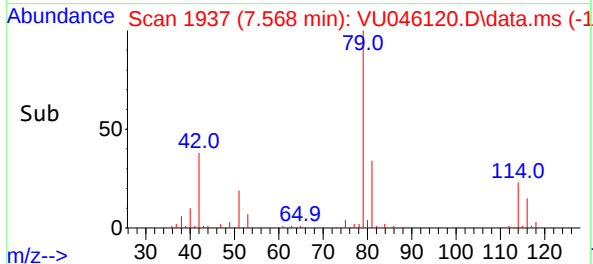
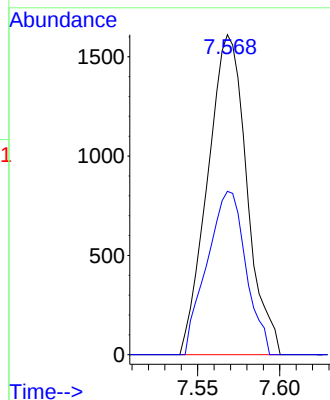
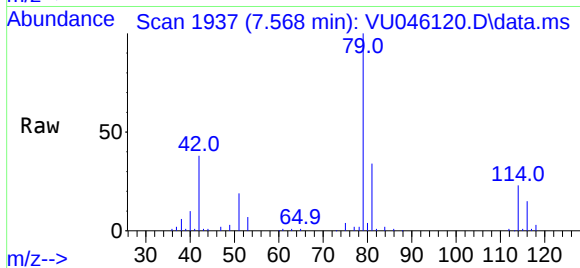
ClientSampleId :

Tgt Ion: 75 Resp: 2674

Ion Ratio Lower Upper

75 100

77 51.1 21.8 40.6#



#42

Toluene

Concen: 4.674 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU046120.D

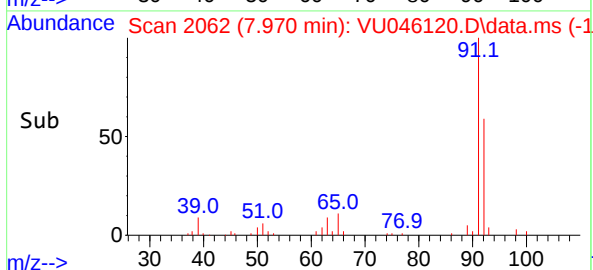
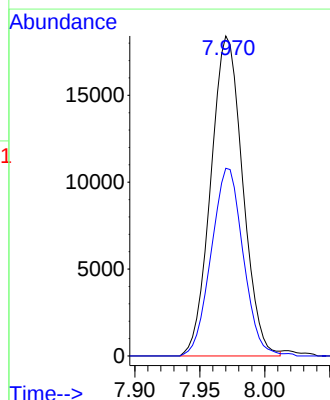
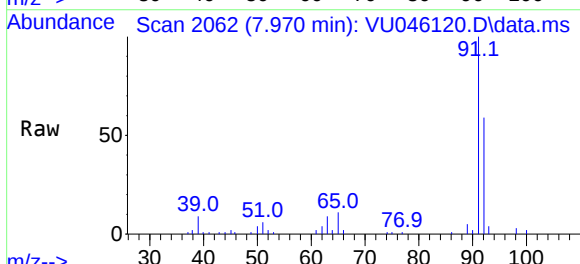
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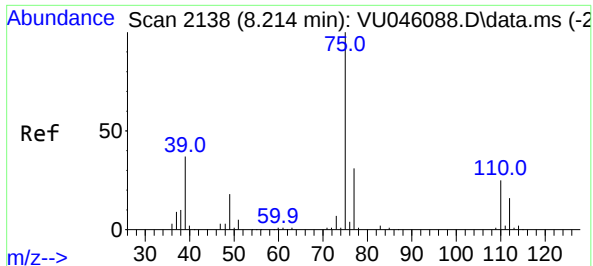
Tgt Ion: 91 Resp: 31445

Ion Ratio Lower Upper

91 100

92 58.7 41.9 77.7

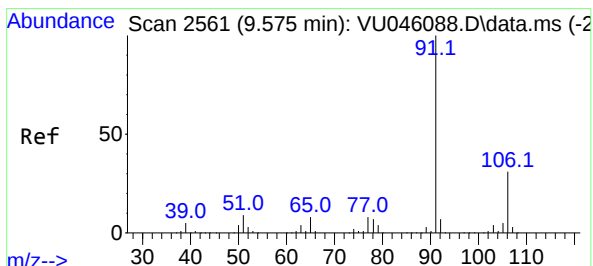
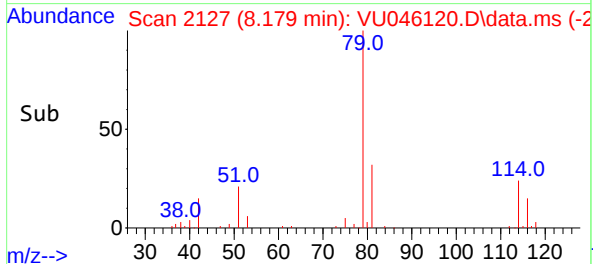
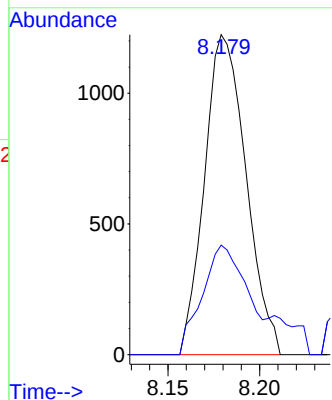
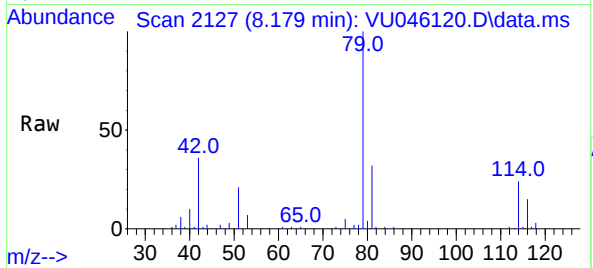




#44
trans-1,3-Dichloropropene
Concen: 0.786 ug/L
RT: 8.179 min Scan# 2138
Delta R.T. -0.035 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

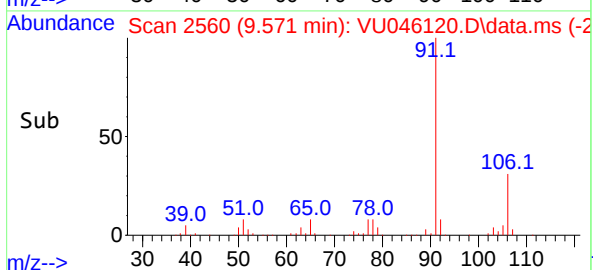
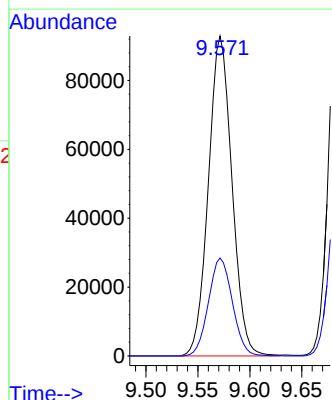
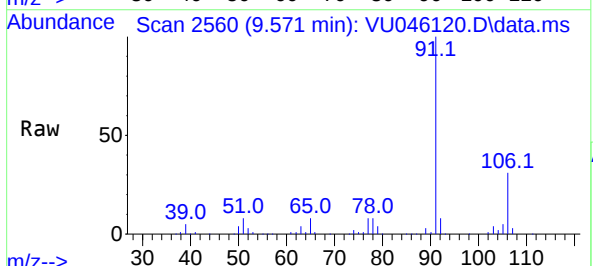
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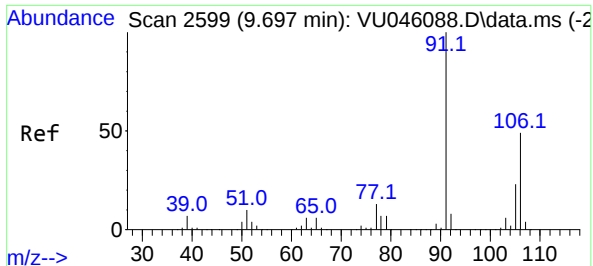
Tgt Ion: 75 Resp: 1928
Ion Ratio Lower Upper
75 100
77 34.2 21.7 40.3



#52
Ethylbenzene
Concen: 20.255 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

Tgt Ion: 91 Resp: 146649
Ion Ratio Lower Upper
91 100
106 30.6 21.1 39.3

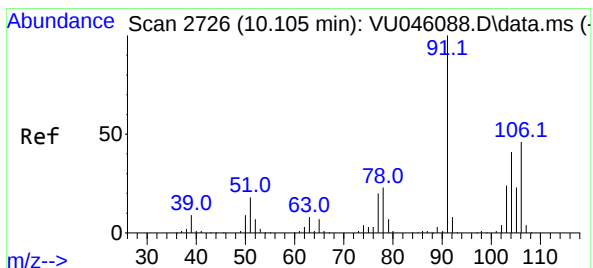
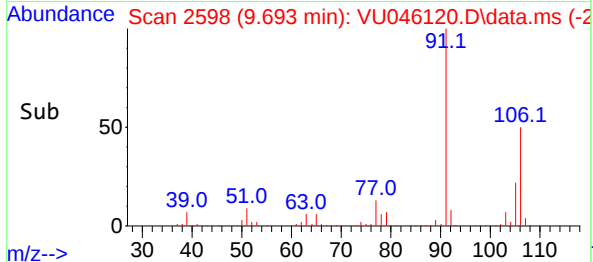
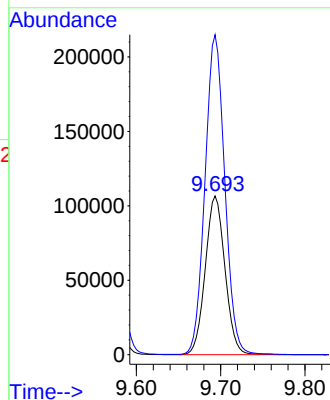
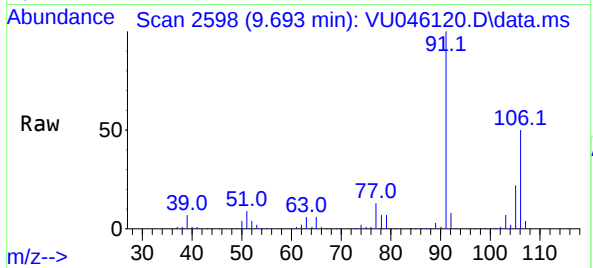




#53
m,p-Xylene
Concen: 61.455 ug/L
RT: 9.693 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

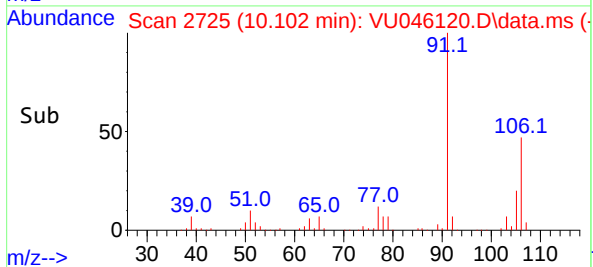
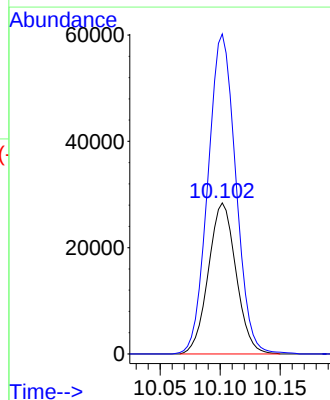
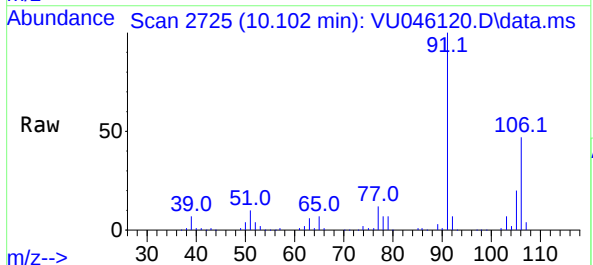
Instrument :
MSVOA_U
ClientSampleId :

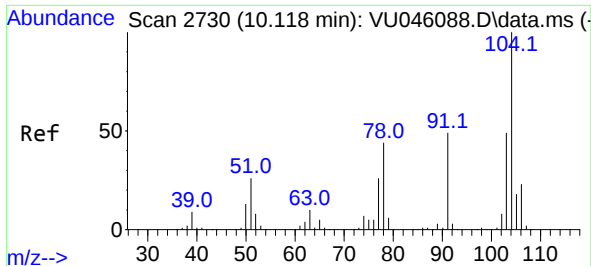
Tgt Ion:106 Resp: 173521
Ion Ratio Lower Upper
106 100
91 201.7 144.3 268.1



#54
o-xylene
Concen: 16.624 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

Tgt Ion:106 Resp: 45545
Ion Ratio Lower Upper
106 100
91 211.8 154.2 286.4

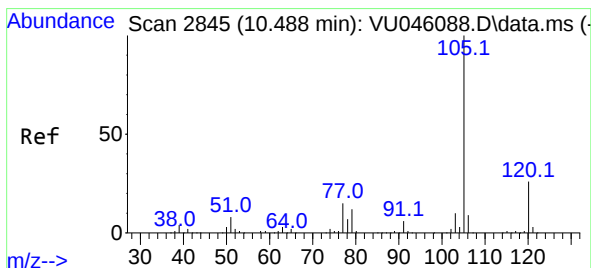
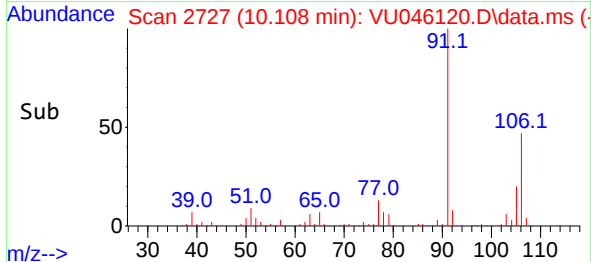
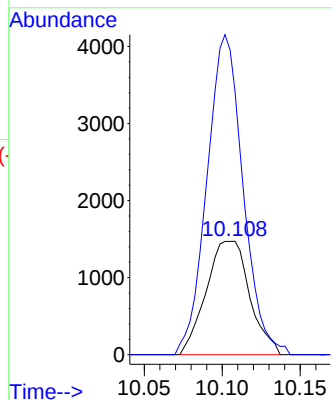
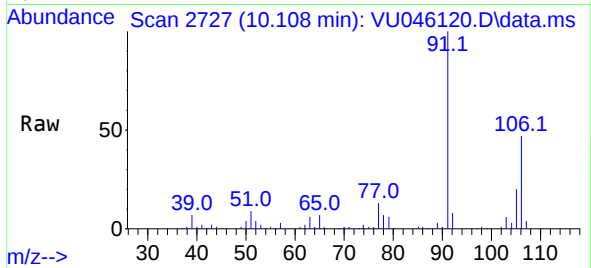




#55
Styrene
Concen: 0.612 ug/L
RT: 10.108 min Scan# 21
Delta R.T. -0.010 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

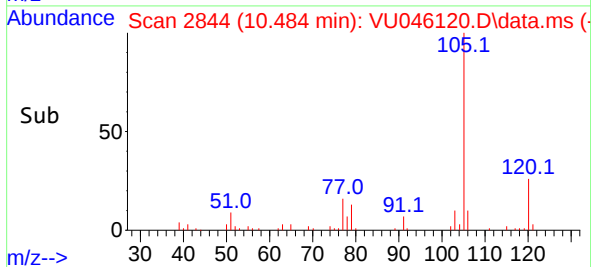
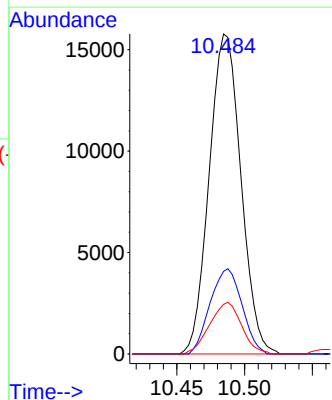
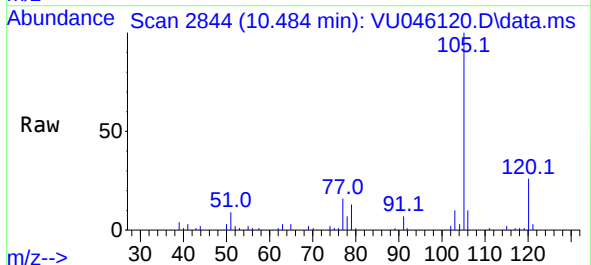
Instrument :
MSVOA_U
ClientSampleId :

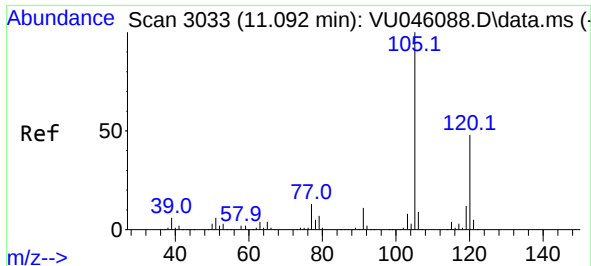
Tgt Ion:104 Resp: 2861
Ion Ratio Lower Upper
104 100
78 231.7 32.6 60.5#



#61
Isopropylbenzene
Concen: 3.510 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

Tgt Ion:105 Resp: 25691
Ion Ratio Lower Upper
105 100
120 26.7 20.7 31.1
77 16.2 12.2 18.4

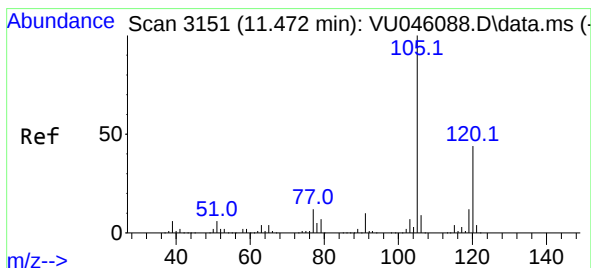
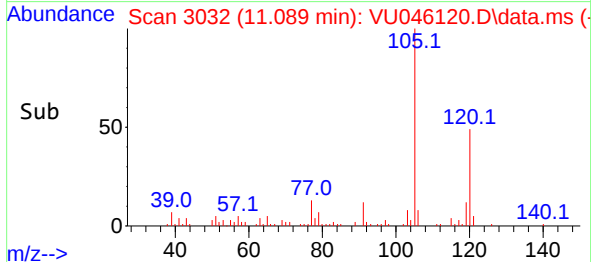
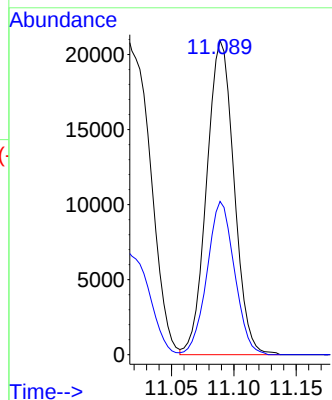
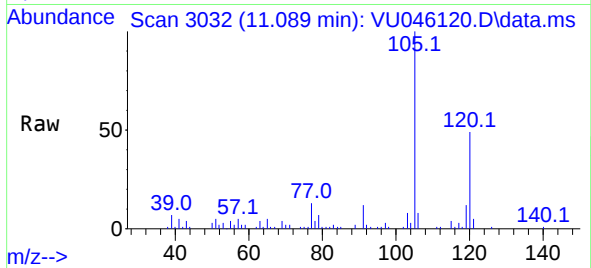




#62
1,3,5-Trimethylbenzene
Concen: 5.254 ug/L
RT: 11.089 min Scan# 3033
Delta R.T. -0.003 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

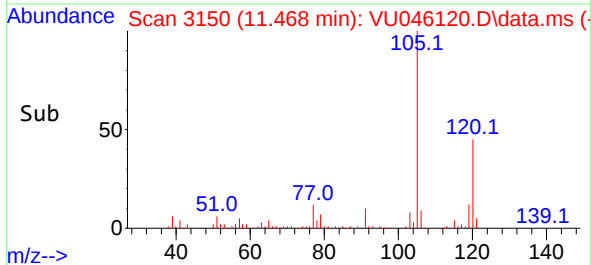
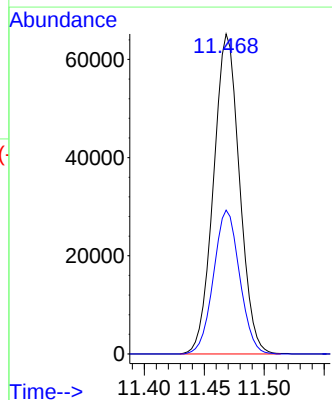
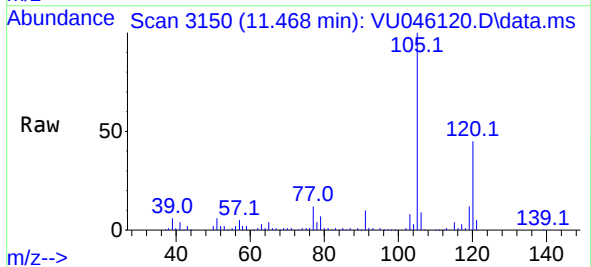
Instrument :
MSVOA_U
ClientSampleId :

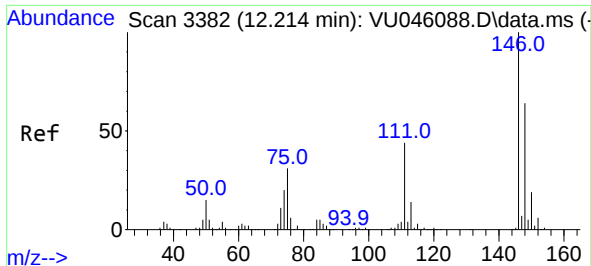
Tgt Ion:105 Resp: 32057
Ion Ratio Lower Upper
105 100
120 48.9 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 16.095 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

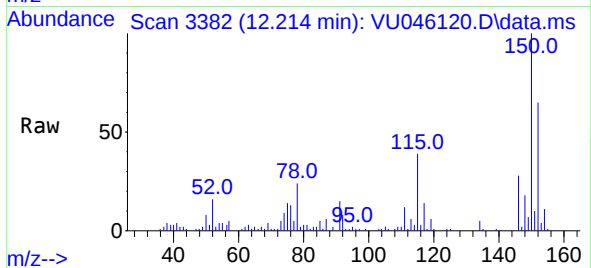
Tgt Ion:105 Resp: 98252
Ion Ratio Lower Upper
105 100
120 45.0 35.2 52.8



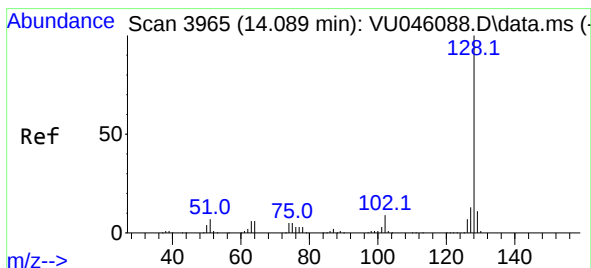
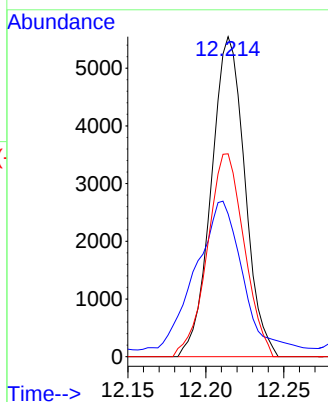
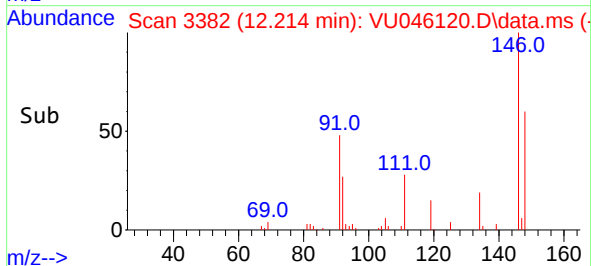


#67
1,2-Dichlorobenzene
Concen: 2.371 ug/L
RT: 12.214 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42

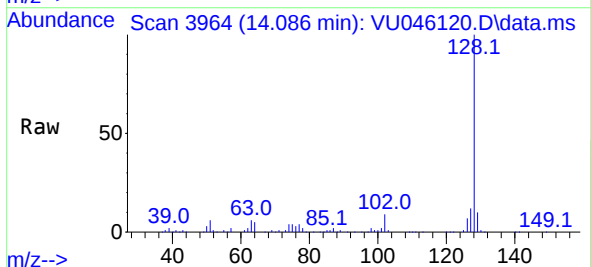
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:146 Resp: 8302
Ion Ratio Lower Upper
146 100
111 44.6 35.7 53.5
148 63.4 51.2 76.8



#71
Naphthalene
Concen: 23.924 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU046120.D
Acq: 06 Dec 2021 18:42



Tgt Ion:128 Resp: 187175
Ion Ratio Lower Upper
128 100
127 12.5 10.1 15.1
129 10.5 8.6 13.0

