

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121021\
 Data File : VU046273.D
 Acq On : 10 Dec 2021 18:15
 Operator : SY/MD
 Sample : M4943-02DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGKQ3DL

Quant Time: Dec 10 22:25:39 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)

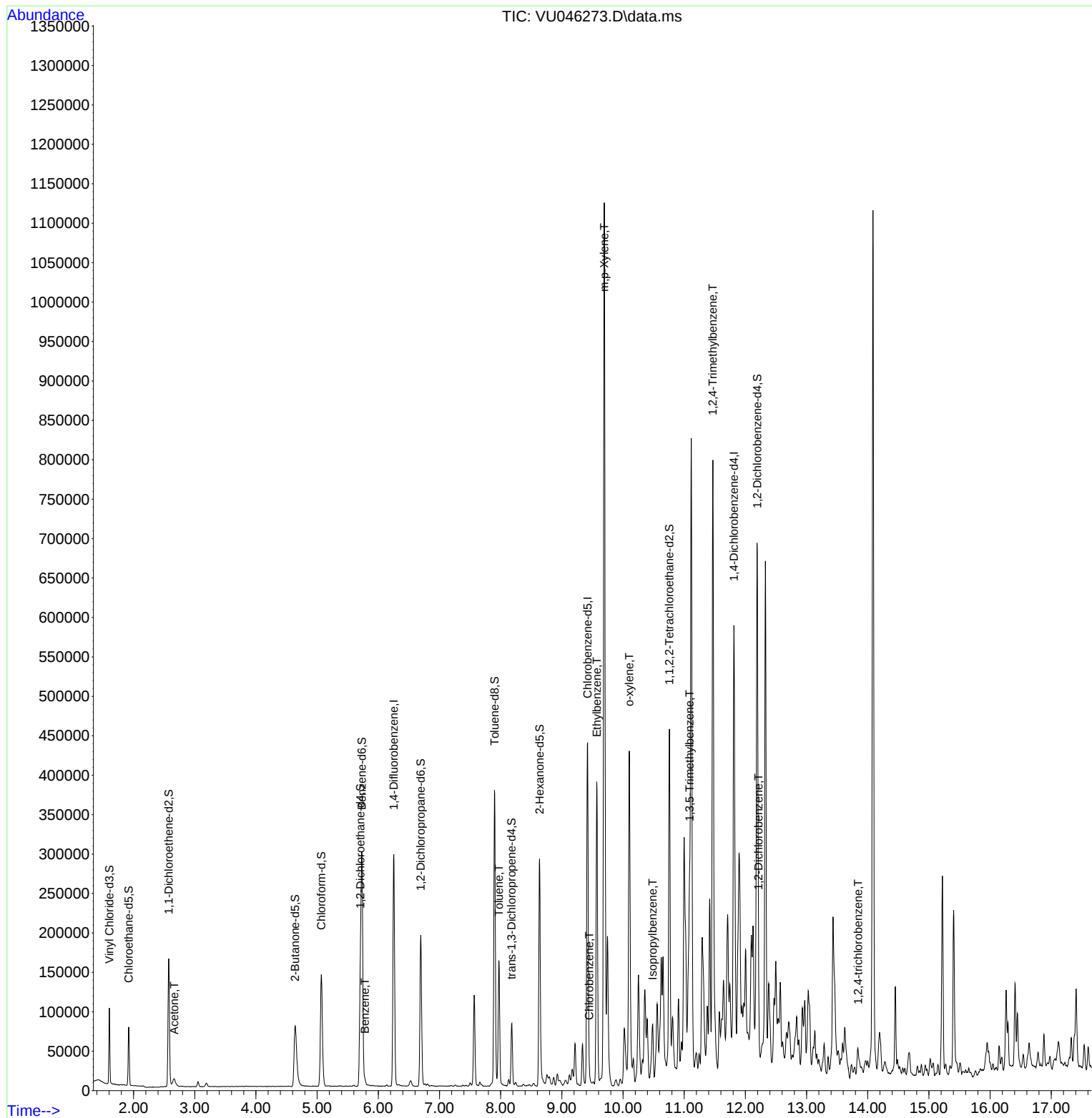
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	245447	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	250717	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	140222	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	65869	32.578	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	65.160%		
7) Chloroethane-d5	1.919	69	53779	34.643	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	69.280%#		
11) 1,1-Dichloroethene-d2	2.575	63	95082	26.196	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	52.400%#		
21) 2-Butanone-d5	4.642	46	138800	86.357	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	86.360%		
24) Chloroform-d	5.070	84	131405	38.919	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	77.840%		
26) 1,2-Dichloroethane-d4	5.706	65	92465	40.806	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.620%		
32) Benzene-d6	5.732	84	284436	39.582	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.160%		
36) 1,2-Dichloropropane-d6	6.694	67	90909	40.820	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.640%		
41) Toluene-d8	7.899	98	253962	38.815	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	77.640%#		
43) trans-1,3-Dichloroprop...	8.179	79	46455	43.211	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.420%		
47) 2-Hexanone-d5	8.636	63	103238	97.769	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.770%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	148660	44.016	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.040%		
66) 1,2-Dichlorobenzene-d4	12.195	152	109899	40.697	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.400%		
Target Compounds						Qvalue
13) Acetone	2.665	43	19904	9.909	ug/L	61
33) Benzene	5.780	78	7227	0.952	ug/L	100
42) Toluene	7.970	91	117825	14.471	ug/L	99
51) Chlorobenzene	9.449	112	3246	0.616	ug/L #	88
52) Ethylbenzene	9.571	91	272903	31.143	ug/L	97
53) m,p-Xylene	9.693	106	326129	95.431	ug/L	96
54) o-xylene	10.102	106	109865	33.131	ug/L	96
61) Isopropylbenzene	10.484	105	43231	4.738	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	121209	15.939	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	405906	53.351	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	4954	1.135	ug/L #	80
70) 1,2,4-trichlorobenzene	13.841	180	2503	0.893	ug/L #	72

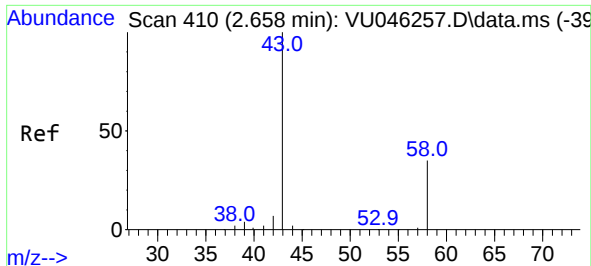
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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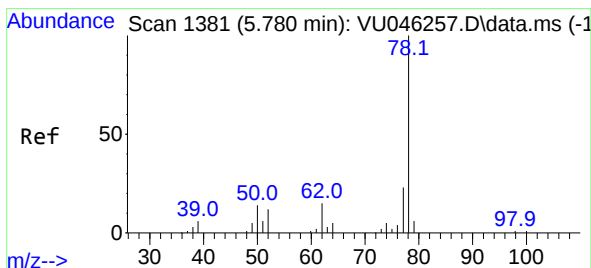
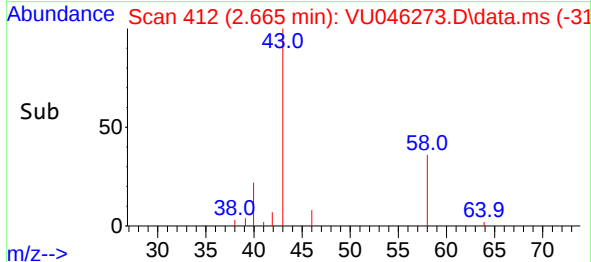
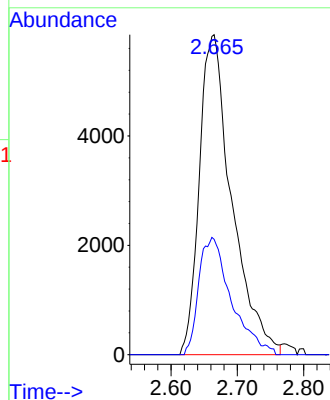
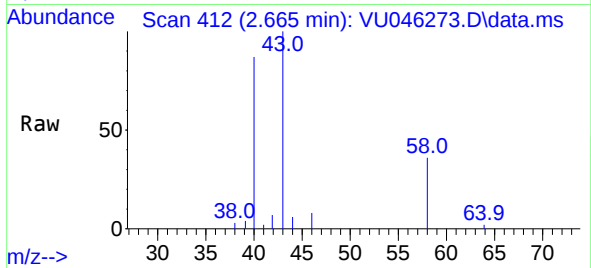




#13
Acetone
Concen: 9.909 ug/L
RT: 2.665 min Scan# 41
Delta R.T. 0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

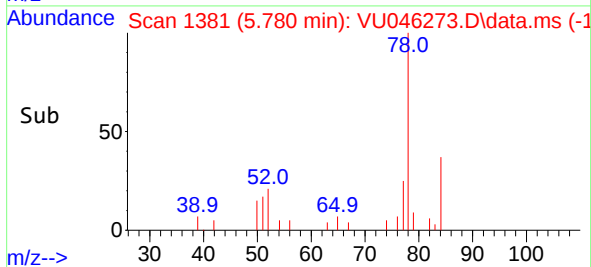
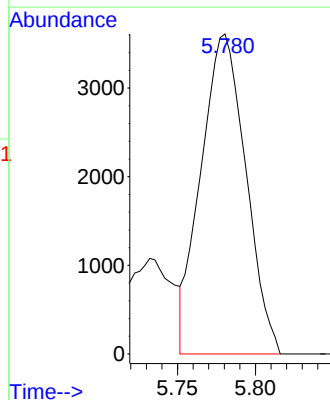
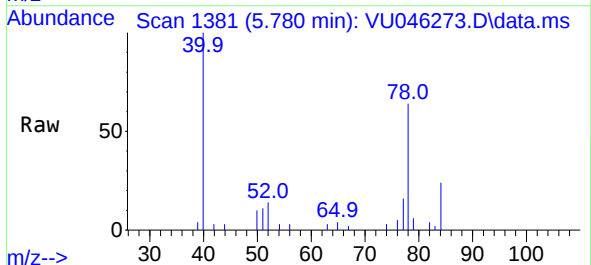
Instrument :
MSVOA_U
ClientSampleId :
BGKQ3DL

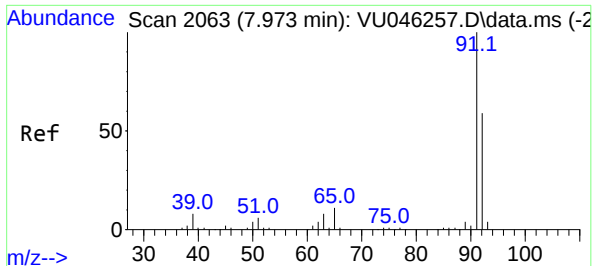
Tgt Ion: 43 Resp: 19904
Ion Ratio Lower Upper
43 100
58 11.4 0.0 66.8



#33
Benzene
Concen: 0.952 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

Tgt Ion: 78 Resp: 7227

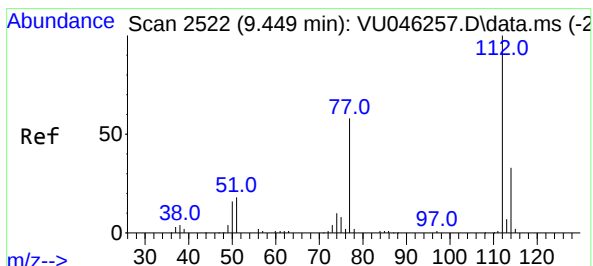
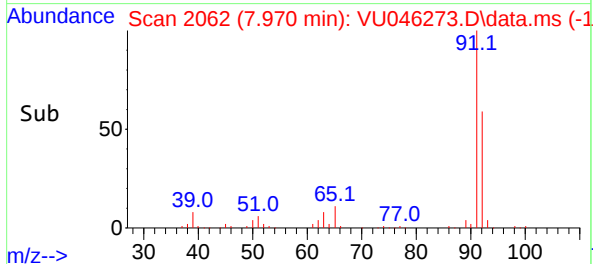
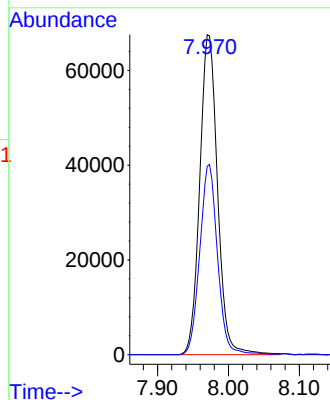
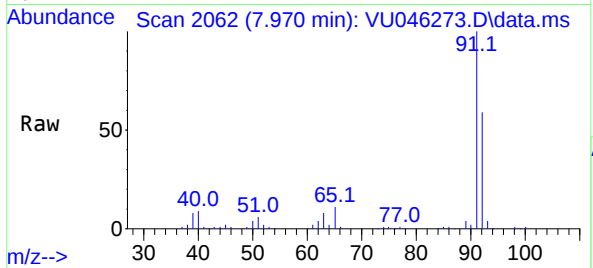




#42
Toluene
Concen: 14.471 ug/L
RT: 7.970 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

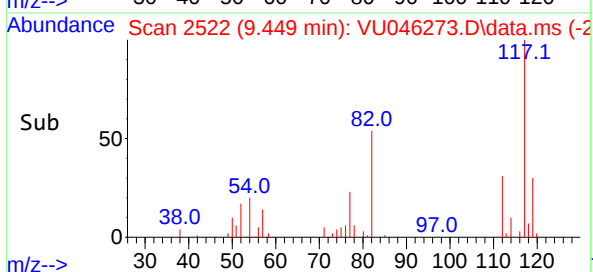
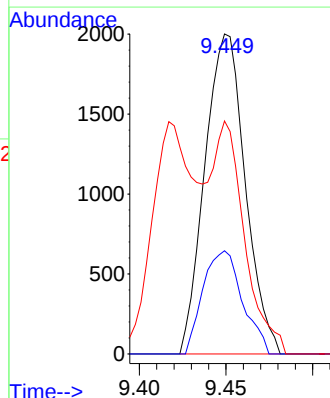
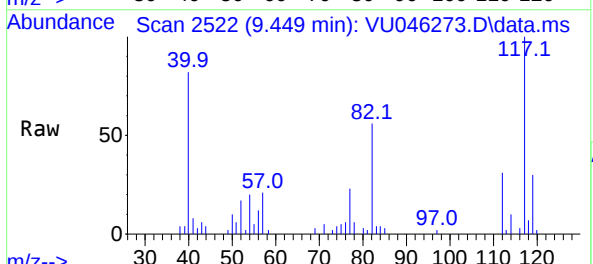
Instrument :
MSVOA_U
ClientSampleId :
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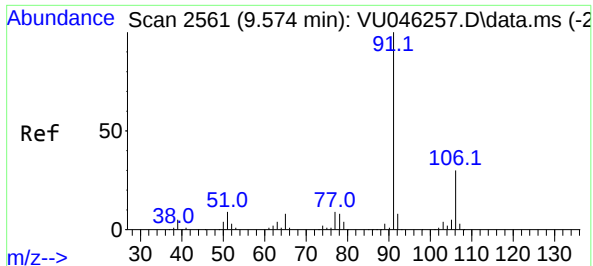
Tgt Ion: 91 Resp: 117825
Ion Ratio Lower Upper
91 100
92 58.9 41.9 77.7



#51
Chlorobenzene
Concen: 0.616 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

Tgt Ion: 112 Resp: 3246
Ion Ratio Lower Upper
112 100
114 32.2 22.2 41.2
77 72.8 47.4 71.0#

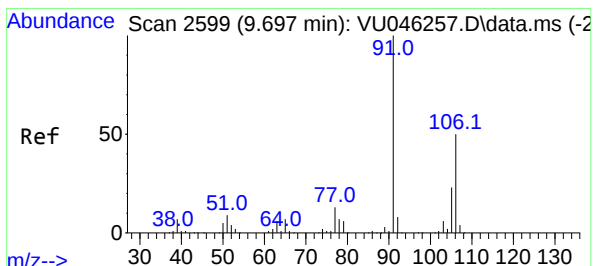
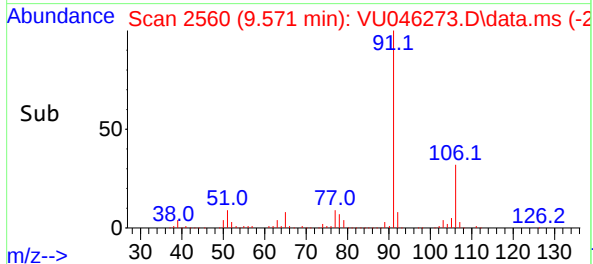
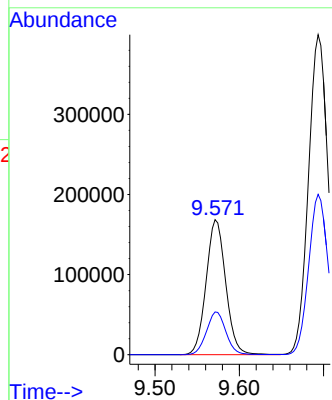
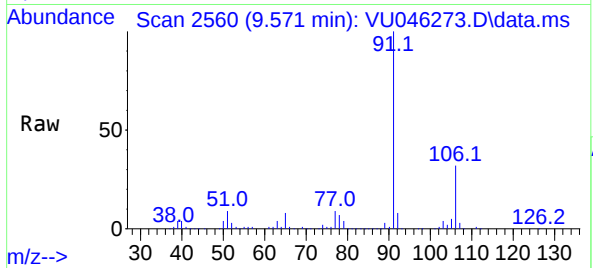




#52
Ethylbenzene
Concen: 31.143 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

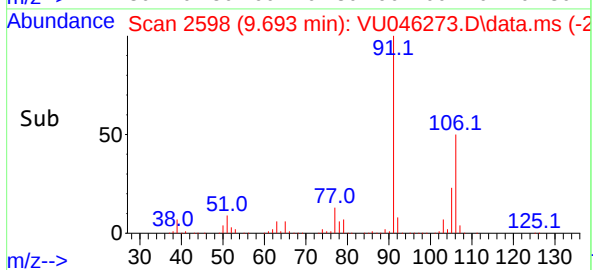
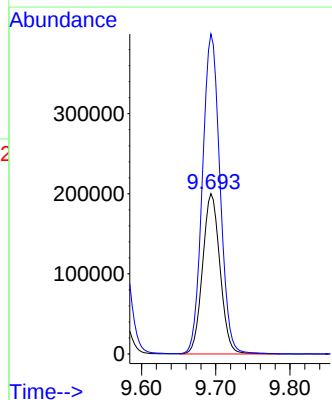
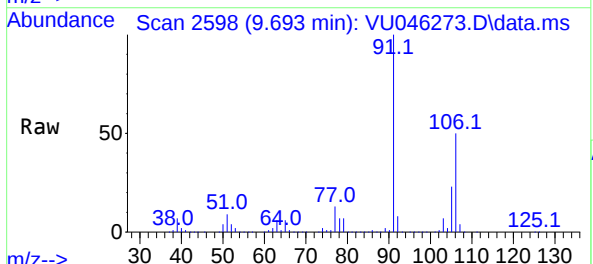
Instrument :
MSVOA_U
ClientSampleId :
BGKQ3DL

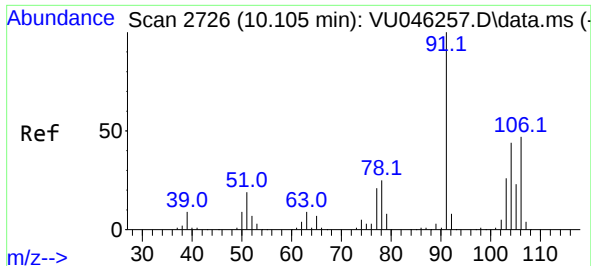
Tgt Ion: 91 Resp: 272903
Ion Ratio Lower Upper
91 100
106 31.6 21.1 39.3



#53
m,p-Xylene
Concen: 95.431 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

Tgt Ion:106 Resp: 326129
Ion Ratio Lower Upper
106 100
91 199.5 144.3 268.1

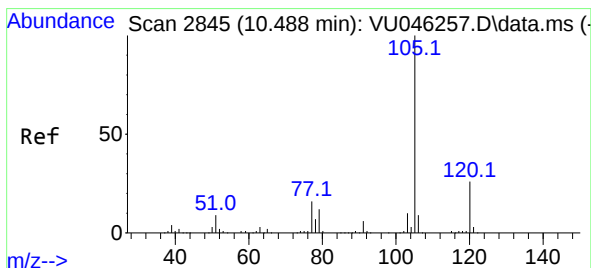
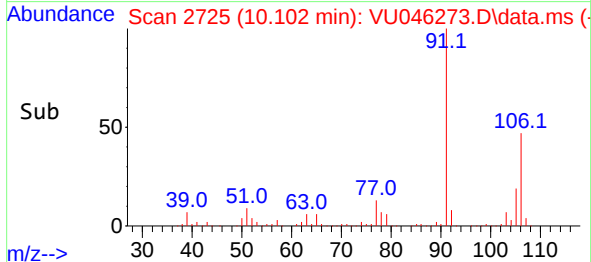
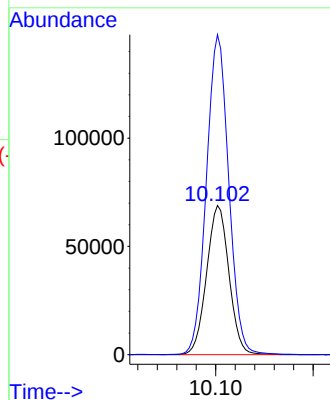
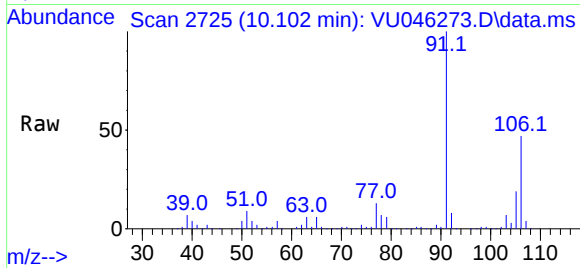




#54
o-xylene
Concen: 33.131 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

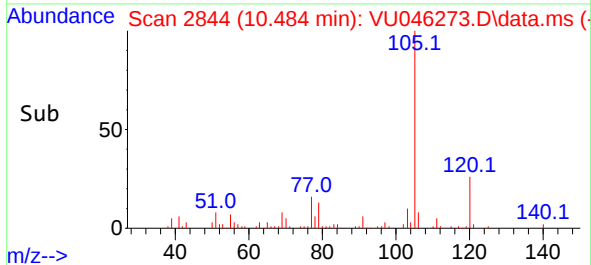
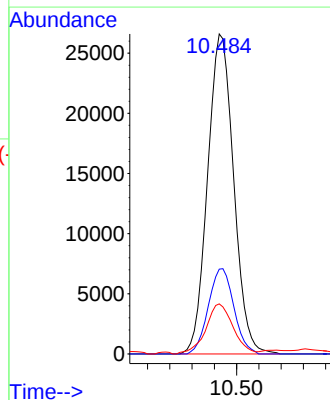
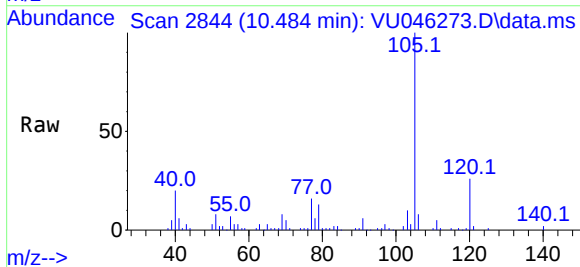
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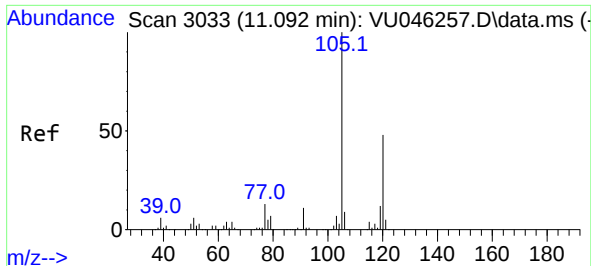
Tgt Ion:106 Resp: 109865
Ion Ratio Lower Upper
106 100
91 214.4 154.2 286.4



#61
Isopropylbenzene
Concen: 4.738 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

Tgt Ion:105 Resp: 43231
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1
77 16.4 12.2 18.4

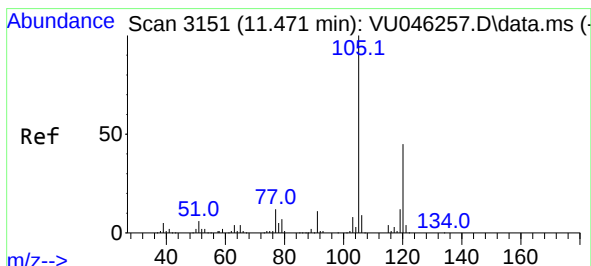
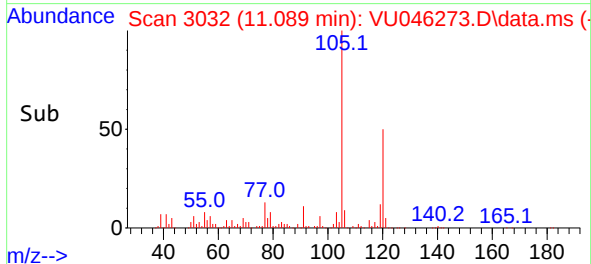
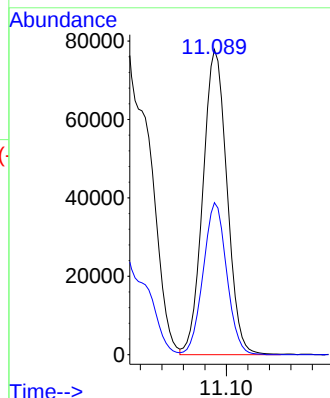
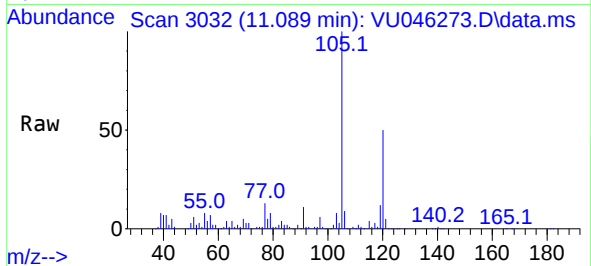




#62
1,3,5-Trimethylbenzene
Concen: 15.939 ug/L
RT: 11.089 min Scan# 3033
Delta R.T. -0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

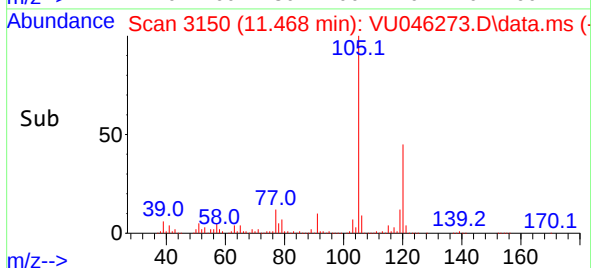
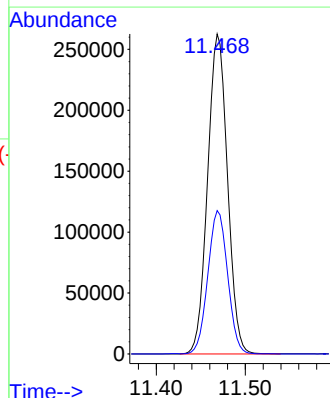
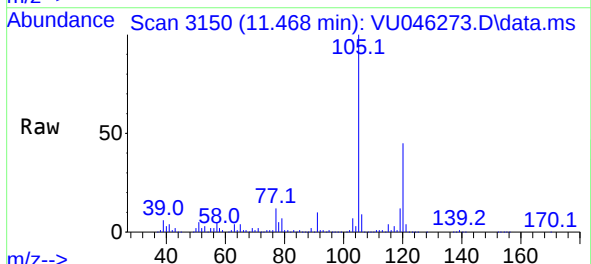
Instrument :
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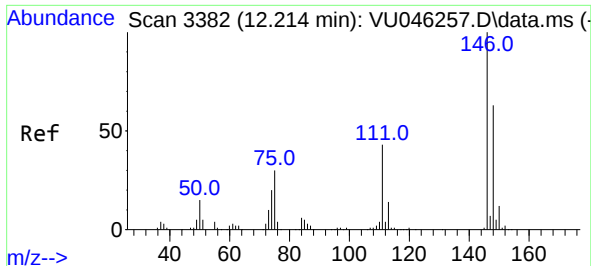
Tgt Ion:105 Resp: 121209
Ion Ratio Lower Upper
105 100
120 48.6 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 53.351 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

Tgt Ion:105 Resp: 405906
Ion Ratio Lower Upper
105 100
120 44.6 35.2 52.8

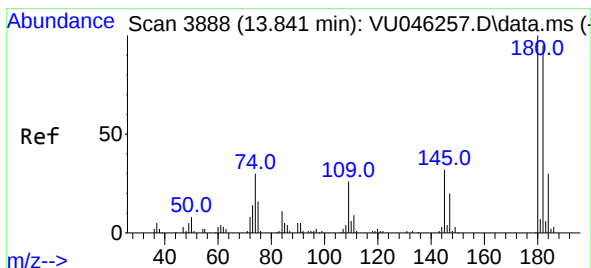
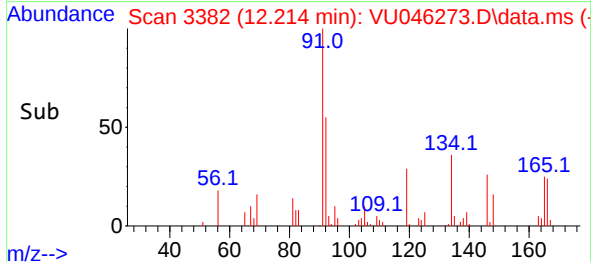
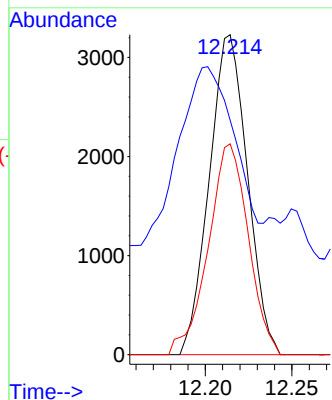
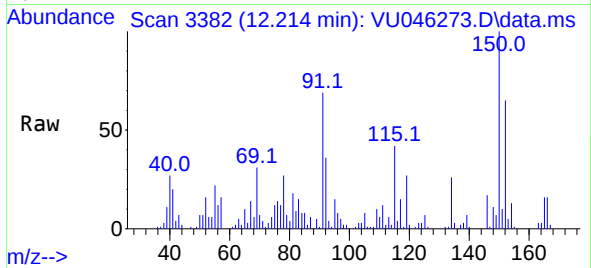




#67
1,2-Dichlorobenzene
Concen: 1.135 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:146 Resp: 4954
Ion Ratio Lower Upper
146 100
111 73.3 35.7 53.5#
148 65.9 51.2 76.8



#70
1,2,4-trichlorobenzene
Concen: 0.893 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

Tgt Ion:180 Resp: 2503
Ion Ratio Lower Upper
180 100
182 101.9 76.7 115.1
145 84.9 26.0 39.0#

